HITACHI

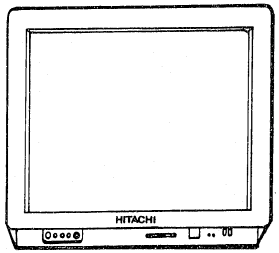
YS | No. 0046C-E

SERVICE MANUAL

CMT2979 – 191, 192, 192S, 041, 051, 981, 081S, 751
CMT2979PX – 981

PAL/SECAM/NTSC

S4 Chassis



注　意: 开始检修电视机机芯以前，检修人员必须阅读这本检修手册中 "有关安全上的预防事项" 及 "制品安全上的注意" 两节。

CAUTION: Before servicing this chassis, it is important that the service technician reads the "Safety Precaution" and "Product Safety Notices" in this Service Manual.

目　录

有关安全上的预防事项 4
有关制品安全上的注意事项 4
技术参数 6
各种调整控制机件 7
遥控发射器 8
I001各脚功能说明 9
I201各脚功能说明 10
P.I.F.的调整 11
VCO的调整 12
AGC的调整 13
水平中心位置的调整 13
垂直振幅的调整 14
调整部位 14
配线图 15
波形图 16
基本线路图 18,19,21,22
印刷线路图 19
替换零件表 23-36

CONTENTS

SAFETY PRECAUTIONS 2
PRODUCT SAFETY NOTICE 2
SPECIFICATIONS 6
CONTROLS 7
REMOTE CONTROL UNIT 8
I001 PIN DESCRIPTIONS 9
I201 AIN DESCRIPTIONS 10
P.I.F. ADJUSTMENT 11
V.C.O. ADJUSTMENT 12
AGC ADJUSTMENT 13
HORIZONTAL CENTER POSITION ADJUSTMENT 13
VERTICAL AMPLITUDE ADJUSTMENT 14
ADJUSTMENT POINTS 14
WIRING DIAGRAM 15
WAVEFORMS 16
BASIC CIRCUIT DIAGRAM 18,19,21,22
PRINTED WIRING BOARD 19
REPLACEMENT PARTS LIST 23-36

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

COLOR TELEVISION

June 1996

HITACHI CONSUMER PRODUCTS (S)

TECHNICAL CAUTIONS

SAFETY PRECAUTIONS

WARNING: Since the chassis of this receiver is connected to one side of the Mains Supply during operation, service should not be attempted by anyone unfamiliar with the precautions necessary when working on this type of equipment. The following precautions should be observed.

1. Do not install, remove, or handle the picture tube in any manner unless shatter-proof goggles are worn. People not so equipped should be kept away while picture tubes are handled. Keep picture tube away from the body while handing.
2. When replacing chassis in the cabinet, all the protective devices are put back in place, such as; barriers, non-metallic knobs, adjustment and compartment cover or shields, isolation resistors-capacitors, etc..
3. When service is required, observe the original lead dress. Extra care should be taken to assure correct lead dress in the high voltage circuitry area.
4. Always use the manufacturer's replacement component. Especially critical components as indicated on the circuit diagram should not be replaced by other makes. Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
5. Before returning a serviced receiver to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the instrument by the manufacturer has became defective, or inadvertenly defeated during servicing. Therefore, the following checks are recommended for the continued protection of the customers and service technicians.

INSULATION

Insulation resistance between the mains poles and any accessible metal parts should not be less than 7MΩ at 500V DC. Also, no flashover or breakdown should occur during the dielectric strength test, to apply 4KV AC for one minute between the mains poles and any accessible metal parts.

X-RADIATION

TUBES: The primary source of X radiation in this receiver is the picture tube. The tube utilized in this chassis is specially constructed to limit X radiation.
For continued X radiation protection, the replacement tube must be the same type as the original, HITACHI approved type.

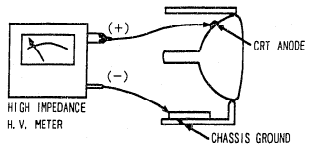
High Voltage

This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit is operated correctly.

Serviceman Warning

With minimum Black Level and Picture, the operating high voltage in this receiver is lower than 31.0K. In case any component having influence on the high voltage is replaced, confirm that high voltage with minimum Brightness and contrast is lower than 33.0kV. To measure H. V. use a high impedance H. V. meter. Connect (−) to chassis earth and (+) to the CRT anode button. (See the following connection diagram).

NOTE: Turn the power switch off without fail before the connection to the Anode button is made.



PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in HITACHI television receiver have special safety related characteristics. These characteristics are often not evident from visual inspection nor can be protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.
Electrical components having such features are identified by marking with a ⚠ mark in the schematics and on the replacement parts list in this Service Manual. The use of a substitute replacement component which does not have the same safety characteristics as the HITACHI recommended replacement one shown in the parts list in this Service Manual, may create electrical shock, fire, X radiation, or other hazards.
Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current HITACHI Service Manual. A subscription to, or additional copies of, HITACHI Service Manual may be obtained at a nominal charge from your HITACHI sales offices.

TECHNICAL CAUTIONS

High voltage limiter circuit operation check

1. Connect the high voltage voltmeter between the CPT anode (anode cap) and GND (CPT grounding lead).
2. Receive the broadcast signal and set the brightness and contrast VRs to max. Set the beam current to 1.5mA±10%.

(After cut-off adjustment)

3. Set the AC input voltage to 220±3V.
4. Check that the constant high voltage is 28.0 ±1.0kV at this time.
5. Turn the switch of the set to off and connect the jig shown in Fig.3 at both ends of R956 as shown in Fig.1.
6. With the brightness and contrast VRs left as set in item.2 and with the AC input voltage stabilized at 220V, turn the picture disappears with a high voltage of 32.5kV or less.
7. Turn the switch of the set to off immediately after the check is completed.
8. Remove the adjust jigs and high voltage voltmeter.

NOTE: When connecting disconnecting the high voltage voltmeter to from the anode cap, be sure to turn the switch of the set off and do it after the residual high voltage is discharged to the chassis because the high voltage may remain at the anode cap.

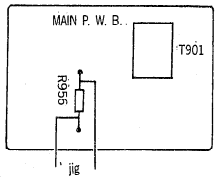


Fig. 1

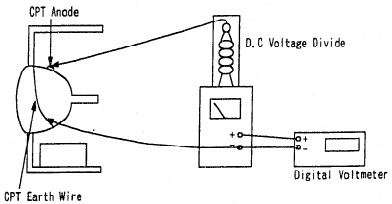


Fig. 2

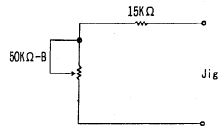


Fig. 3

有关安全上的预防事项

警告：因为在动作期间，这电视机的底盘与电源的一端互相连接，所以对检修这类型号的机器所必须的预防措施为下熟悉的人，不应该企图修机器。要检修必须遵守下列预防事项。

1. 要装人，取出或外理显象管时，必须带上防碎玻璃做的护目镜，外理显象管时，不带这护目镜的人不可接近。显象管应放在离开人体的地方。
2. 将底盘装入机箱里面时，所有的保护装置，如隔板，非金属的调整钮，小室盖子或小室屏蔽，隔离用电阻，电容器等，也应该装回去。
3. 开始检修之前，应该注意原来的引线包层。尤其是在高压电路部分需要特别小心，必须认清正确的引线包层。
4. 要检修，请一定要使用制造厂所指定的替换用机件。尤其在电路上注明几个特别重要的机件，要替换这些机件绝不可使用其他厂家的制品。当电路发生短路时，凡是有过热痕迹的机件都需要全部交换。
5. 将修好的电视机送回顾客以前，检修人员应该彻底检验机器以保证它完全安全，绝没有电击的危险，并确实检查机器内部的各种保护装置，以保证这些部分没有因检修而失灵。

由于上面理由，检修人员最好实行以下各项检查，以保证顾客和自己的安全。

绝缘

电源电极与任何可触及的金属部分之间的绝缘电阻不可小于7兆欧姆（加上直流500伏电压时）。而且，在电源电极与任何可触及的金属部分之间加上4千伏的交流电压（1分钟）而试验其绝缘强度时，不可发生闪络或绝缘击穿等现象。

X射线

显象管：这部电视机所产生的X射线，其主要的来源是显象管。所以这部电视机所使用的显象管有特别的构造设计，使X射线尽量减少。为了能继续防止X射线起见，要交换显象管时，请一定要使用相同型号的日立显象管。

高压

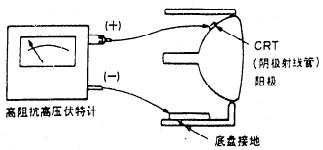
这电视机装有一个高压限制电路，可清楚地表示电压升高已超过额定值。进行维修服务时，请根据本维修说明书有关此高压限制电路的所有注解说明去做，则高压限制电路便可以正确地操作。

维修人员须注意

这电视机在最小黑色电平和图象电流时的高电压是在31.0kV以下的。若更换了会影响高压的部件时，一定请确认在最小亮度和对比度状况下的高电压是否低于33.0kV.

请使用高阻抗高压伏特计，令其（－）连接底盘接地线，令（＋）连接CRT（阴极射线管）阳极电钮，去测量高电压（H.V.）。（参考下面的连接图）。

注：当要连接到阳极电钮以前，一定要先把电源开关关掉。



有关制品安全上的注意事项

日立电视机所使用的许多机件具有有关安全的特别性能。这种特别性能在表面上往往看不出来，而且即使使用额定电压或功率更大的其他替换用机件，也不一定可得到这些日立机件所保证的保护性能。在这本检修手册里面有指定这些具有特别安全特性的替换用机间。在这本检修手册的简图和替换用机件表上附带△记号的机件，就表示具备这种特别的安全特性。

如果不使用这本检修手册机件表上HITACHI所推荐的替换用机件而使用没有同样安全特性的其他替换用机件的话，就可能会发生电击，失火，X射线等事故。

HITACHI对制品安全不断努力改进，经常发出新的技术指令。如需要新的技术情报就请参看最新的HITACHI检修手册。可向HITACHI销售公司预订或订阅“日立检修手册”，只收取极少费用。

技术上须注意事项

高压限压器电路操作检查

1. 把高压伏特计连接在CPT阳极（阳极罩）和GND（CPT的接地线）之间。
2. 试接收一个电台的广播信号，且把亮度和对比度的VRs（可变电阻器）调到最大。把射束电流调为1.5mA±10%（切断调整之后）
3. 把AC电的输人电压调为220±3V。
4. 此时，检查恒定高压是否呈28.0±1.0KV。
5. 把设定开关关掉，然后把图3所示的夹具接在图1所示的R956的两端。
6. 以第2项所设定的亮度和对比度VRs，AC电流输入电压并保持稳定的220V状况下调节50kΩ可变电阻器以使影像消失掉，高压不可超过32.5kV。
7. 检查完毕后，请立即关掉设定开关。
8. 卸下调整夹具和高压伏特计。

注：当把高压伏特计连接到阳极罩拆下时，必须先关掉设定开关,并且等残留高压电流都往底盘放电完毕之后，才进行接拆工作。因为阳极罩上在关掉设定开关后，还可能残留有高压电流。

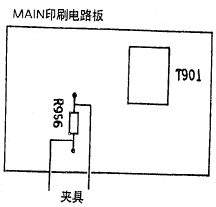


图 1

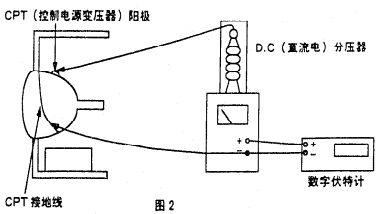


图 2

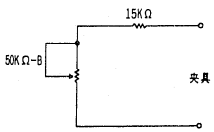


图 3

SPECIFICATIONS

Reception system	625-lines B.G/I/D.K/H PAL B.G/D.K/K1 SECAM NTSC50 525-lines M/NTSC NTSC3.58-5.5/6.0/6.5 NTSC4.43-5.5/6.0/6.5 PAL 60	Antenna input	75 Ω COAXIAL IEC TYPE
		Color picture tube	751 : A68AEG25X Others : A60KSA30X/A68AEG25X
		Speaker	10cmØ×2
		Sound output	7W×2
(Channel coverage Frequency range 44MHz~863MHz)	CCIR : E2~12, E21~69, S01~3, S1~10, S11~20, S21~41 OIRT : R1~12, R21~69 JAPAN : J1~12, J13~62 U.S.A. : US2~13, J~W, US14~69 Hong Kong, U.K. : UK21~69 China : C1~12, C13~57	Power supply	081S : AC 200~240V 50/60Hz 041 : AC 200/220V 50Hz 751 : AC 240V 50Hz 191 : A 127V 50/60Hz (Usable Range: 100V~280V) Others : AC 110~240V 50/60Hz (Usable Range: 100V~280V)
		Power consumption	041 : 87W (IEC 135W) Others : 140W
		Weight (kg)	40
		Dimensions W×H×D (cm)	67.9×56.6×48.4

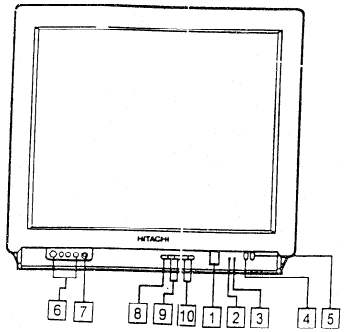
Specifications are subject to change without notice to improve performance.

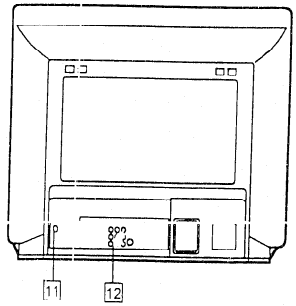
技 术 参 数

接收方式	625条 B.G/I/D.K/H PAL B.G/D.K/K1SECAM NTSC50 525条 M/NTSC NTSC3.58-5.5/6.0/6.5 NTSC4.43-5.5/6.0/6.5 PAL60	天线输入	75欧姆同轴IEC型
		显象管	其他: A68KSA30X/A68AEG25X 751: A68AEG25X
		扬声器	10cm Ø (×2)
		声音输出(最大)	7瓦×2
		电源	081S: 交流200~240 50/60Hz 041: 交流200/220V 50Hz 751: 交流240V 50Hz 191: 交流127V 50/60Hz (使用范围:100V~280V) 其他: 交流110~240V 50/60Hz (使用范围:100V~280V)
频道范围 频率范围 44兆赫~863兆赫	CCIR : E2~12, E21~69, S01~3 S1~10, S11~20, S21~41 OIRT : R1~12, R21~69 日本 : J1~12, J13~62 美国 : US2~13, J~W, US14~69 香港, 英国: UK21~69 中国: C1~12, C13~57	电力消耗	041: 87瓦(IEC额定135瓦) 其他: 140瓦
		重量(公斤)	40
		外形尺寸(厘米) (宽×高×深)	67.9×56.6×48.4

※上述各项参数有变更或改良时, 恕不另行通知。

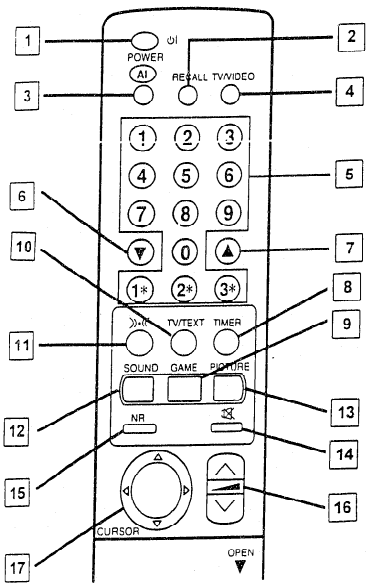
CONTROLS
(各种调整控制机件)



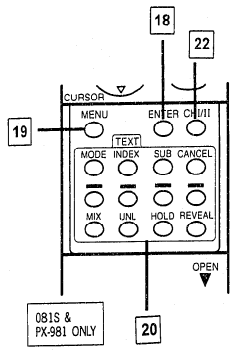


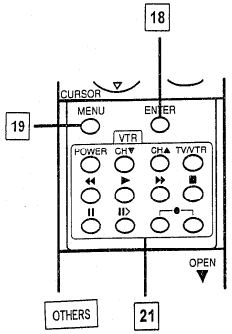
1	POWER ON/OFF SWITCH 电源开关
2	POWER STANDBY INDICATOR 电源/等待指示灯
3	TIMER INDICATOR 定时指示灯
4	AI RECEIVER 电脑控制接收部
5	REMOTE CONTROL RECEIVER 遥控接收部
6	INPUT 3 INPUT TERMINAL INPUT 3 输入端子
7	HEADPHONE JACK 耳机插座
8	INPUT SELECT 输入选择
9	VOLUME UP/DOWN 音量升/降
10	PROGRAMME UP/DOWN 节目升/降
11	ARIAL TERMINAL 天线端子
12	AV IN/OUT TERMINALS AV 输入/输出端子

REMOTE CONTROL UNIT
(遥控发射器上之控制机件)



1	POWER ON/OFF 电源开/关
2	RECALL 召回
3	AI 电脑控制
4	INPUT SELECTION 输入选择
5	PROGRAMME SELECTOR 节目选择
6	PROGRAMME DOWN 节目降
7	PROGRAMME UP 节目升
8	TIMER 定时器
9	GAME 游戏
10	TV/TEXT (081S & PX-981 ONLY) CH I/CH II (OTHERS) TV/TEXT (只适用于081S与PX-981型号) CH I/CH II (其他型号)
11	SURROUND (not operation even if it is pressed). 环绕声 (本机不备有此功能)
12	SOUND 声音
13	PICTURE 图象
14	MUTE 静噪
15	NOISE REDUCTION 视频杂波低减
16	VOLUME UP/DOWN 音量升/降
17	CURSOR 光标
18	ENTER 决定
19	MENU 菜单
20	TELETEXT OPERATING KEYS (081S & PX-981ONLY) 图文电视 (只适用于081S与PX-981型号)
21	VTR OPERATING KEYS 录象机专用钮 (适用于其他型号)
22	CH I/CH II





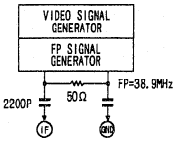
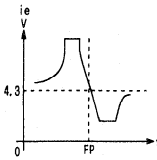
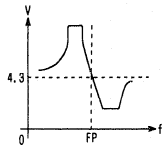
PIN DESCRIPTIONS OF I001 (M37221M6-065SP)

PIN NO.	DESCRIPTION		
1	H sync	Input	This is the horizontal synchronous signal input pin for On-screen display.
2	V sync	Input	This is the vertical synchornous signal input pin for On-screen display.
3	TV/S/VIDEO	Output	Selection of "TV" or "S-VIDEO in" or "VIDEO in" signal. H: TV M: S-VIDEO L: VIDEO
4	Bright	Output	Output of the different DC levels to control each function.
5	Contrast	Output	e.g. COLOR UP/DOWN, BRIGHT UP/DOWN etc...
6	Color	Output	
7	Tint	Output	
8	Sharpness	Output	
9	4.5 Low	Output	Control Output for SAW filter. L: 4.5Mhz, H: Other
10	R/C	Input	Remote con. serial data input from R/C receiving unit (X001)
11	Power	Output	Power on/off contol. H: On, L: Stand by
12	Scan2	Output	Output for front control matrix to control vol., programme.
13	Return1	Input	Return of front control matrix.
14	Return2	Input	Return of front control matrix.
15	Return3	Input	Return of front control matrix.
16	Scan1	Output	Output for front control matrix to control vol., programme.
17	Beep	Output	Beep sound output. L: Off, Beep: _┐┌┐┌┐ 50% Duty Cycle
18	GDN	—	
19	X-IN	Input	4 MHZ Clock In
20	X-OUT	Output	4 MHZ Clock Out
21	GND	—	
22	VCC	—	
23	S-DET	Input	To identify the voltage of S-VIDEO signal.
24	Sync-Ident	Input	A/D terminal served to detect the present of H sync signal.
25	Reset	Input	Resets I004 initiated by Power (Pin 11)
26	I/M	Output	Selects the sound system 4.5MHZ 5.5MHZ 6.0MHZ 6.5MHZ
27	BG/DK	Output	I/M H H L L BG.DK H L H L
28	Color-Ident	Input	Color identification of PAL DECAM or NTSC
29	AFC	Input	AFS voltage input. After A/D conversion, this pin also serve to detect the present of RF signal
30	Dimmer	Input	A/D terminal served to detect the present of Q004
31	SW	Output	N.C
32	SDA1	In/Out	IIC data select
33	50/60 Force	Output	Ident by pin 2 and controls output from this pin. L: 60HZ, H: 50HZ
34	SCL1	Output	IIC clock select
35	ON/OFF Mute	Output	Mute control output
36	S-Low	Output	S-VIDEO control output
37	SDA2	In/Out	IIC data select (for EEPROM)
38	SCL2	Output	IIC clock select (for EEPROM)
39	OSD-Blk	Output	On-Screen-Display blankig output
40	B	Output	Blue output for On-Screen-Display
41	G	Output	Green output for On-Screen-Display
42	R	Output	Red output for On-Screen-Display

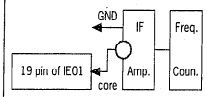
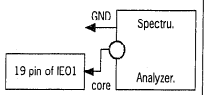
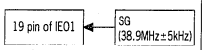
PIN DESCRIPTION FOR I201 – TDA 8362

PIN NO.	DESCRIPTION	
1	Audio deemphasis and +/– mod. switch	Audio output of non-volume controlled and have to be buffered.
2	IF-demodulator tuned circuit	Adjust AFC output voltage of 4.5V measure at Pin 44.
3	IF-demodulator tuned circuit	
4	Video identification output – N.C.	
5	Sound IF in plus volume control	
6	External audio intput – N.C.	
7	Video output	
8	Decoupling digital supply	
9	Ground	
10	Positive supply (8V)	
11	Ground	
12	Decoupling filter tuning	
13	Internal CVBS input	Derived from internal RF video output (Pin 7) and supplied to the synchronization, luminance and chrominance processing (level = 2Vpk-pk) by selection.
14	Peaking control input	
15	External CVBS input	Derived from external video source and supplied to the synchronization, luminance and chrominance processing (level = 1Vpk-pk) by selection.
16	Chroma + A/V switch input	DC voltage control the selection of internal/external CVBS (Pin 13 or 15) and audio. i.e. <0.5V : Internal signals >7.5V : External signals
17	Brightness control input	
18	B-output	
19	G-output	
20	R-output	
21	RGB-insertion and blanking input	
22	R-input for insertion	
23	G-input for insertion	
24	B-input for insertion	
25	Contrast control input	
26	Saturation control output	
27	Hue control input	Color decoder selection between NTSC or PAL/SECAM. i.e. 0–5V : NTSC decoder activated >6V : PAL/SECAM decoder applied
28	B-Y input signal	
29	R-Y input signal	
30	R-Y output signal	
31	B-Y output signal	
32	SECAM Reference/Communication	
33	Loop filter burst phase detector	
34	3.58 MHz X-tal connection	
35	4.43 MHz X-tal connection	
36	Start horizontal oscillator	Start supply pin. If the start voltage is below 5.8V, the horizontal output will be disabled. (Normal — 7.2V–8.8V)
37	Horizontal output	
38	Flyback input/sandcastle output	
39	Φ-2 loop filter	
40	Φ-1 loop filter	
41	Vertical feedback input	
42	Vertical ramp generator	Generates a linear sawtooth output for the vertical output stage.
43	Vertical drive output	This pin is the current output of the vertical pre-amplifier and drives the vertical deflection stage. The amplifier has a feedback output, Pin 41, in order to sense the current in the vertical D.Y.
44	AFC output	
45	IF-input	IF input from Tuner and Saw Filter.
46	IF-input	
47	Tuner AGC output	Voltage to change the Tuner gain when RF input signal amplitude becoems too strong.
48	AGC decoupling capacitor	The Tuner AGC control takes over when IF input reaches a certain input level, the take over point is adjusted at this point.
49	Tuner take-over adjustment	
50	Audio output	
51	Decoupling sound demodulator	
52	Decoupling bandgap supply	

P. I. F. Carrier Filter Adjustment (P. I. F. 调整)

Preparations for Adjustment	Adjustment Procedure	Remarks/Waveform
(1) Apply the following signal across IF out and GND of tuner.  SIGNAL LEVEL: –10~0dBm SIGNAL LEVEL: PHILIPS PATERN	(1) Adjust L202 until a "Fast rate of charge" is seen on voltmeter. Then adjust L202 to obtain reading on voltmeter as below. 	
(2) Connect the oscilloscope to the pin (44) of I201	V = 4:3±0.2V	

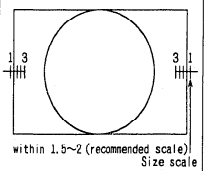
VCO Adjusment (For 081S, 751, 051 & PX-981 Only) VCO 调整

Preparations for Adjustment	Adjustment Procedure	Remarks/Waveform
(1) Connect frequency counter between 19 pin of IE01 and GND via Amp (Gain≈4-dB)  (2) Put IE01 ⑬ pin to GND via 100Ω. (3) Apply 9V to EL14.	(1) Adjust LE02 as frequency counter shows 38.9MHz±300kHz	Amp. should be amplify only 38.9MHz. To prevent VCO frequency drift, make heat run more than 10 minutes before adjustment.
[Another Method] (1) Connect spectrumanalyzer between 19 pin of IE01 and GND.  (2) Put SG (38.9MHz±5kHz without modulation) signal to GND. And increase output level till spectrum analyzer detect that level.  (3) Connects IE01 pin ⑬ to GND via 100Ω. (4) Apply 9V to LE14.	(1) Adjust LE02 till the frequency difference between VCO and SG signal within ±300kHz.	

AGC ADJUSTMENT (AGC 调整)

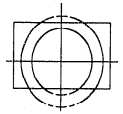
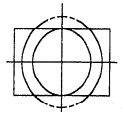
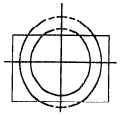
Preparations for Adjustment	Adjustment Procedure	Remarks/Waveform
(1) With the signal received, apply heat run for more than two minutes to avoid the influence of circuit temperature drift. (2) Connect the voltmeter of at least 100Ω internal impedance to the AGC terminal of the tuner.	(1) Received following channel and strength. CHANNEL : CCIR 5 STRENGTH : –47dBm (2) Adjust R222 until the following voltage is reached. V1–(0.5v±0.2v) V1: the voltage without signal	

HORIZONTAL CENTER POSITION ADJUSTMENT (水平位置调整)

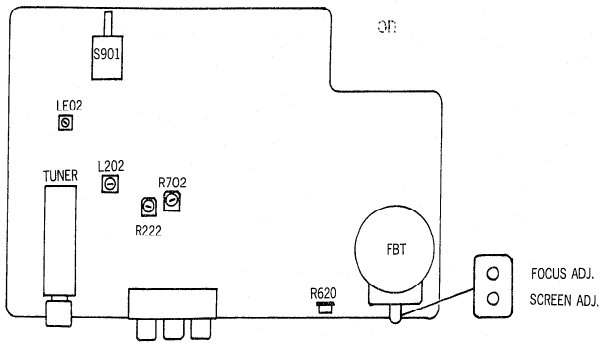
Preparations for Adjustment	Adjustment Procedure	Remarks/Waveform
(1) Receive the circle pattern signal. (2) Set the brightness and contrast VRs to maximum.	(1) Turn R702 (H. Phase) and adjust so that size scales on the left and right are equal. 	Picture information amount The amount of information means the amount of the transmitted picture that can be displayed on the CPT screen. It is necessary to increase this amount of information as much as possible and also decrease the lack of raster as far as possible.

VERTICAL AMPLITUDE ADJUSTMENT (垂直位置调整)

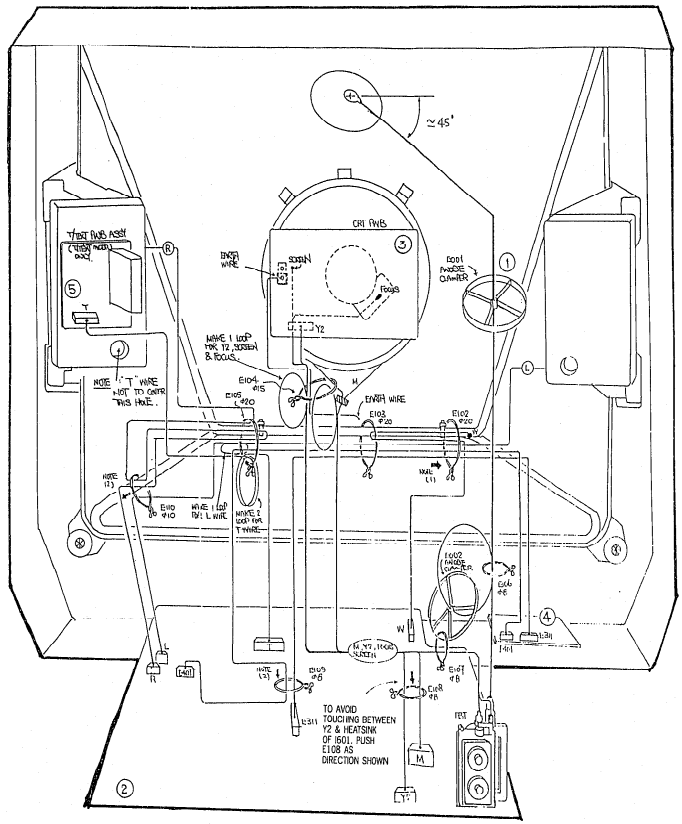
Preparations for Adjustment		Adjustment Procedure		Remarks/Waveform
(1)	Start adjustment 5 minutes or more after the power switch is turned on.	(1)	Select V. CENT select chip "U", "N" and "D" so that the center of the picture is closest to the geometrical center of the CPT.	
(2)	Receive the PAL circle pattern signal.			
(3)	Set the brightness and contrast VRs to maximum.	(2)	Adjust R620 to obtain the following conditions.	
(4)	Place the set facing north or south.	(3)	Receive the NTSC circle pattern signal and check that the picture is the same as that when a PAL signal is received.	

		Top shrinked, bottom expanded	Standard condition	Top expanded, bottom shrinked
Picture condition				
Adjustment method	Picture top	Center of inner and outer circles	Center of inner circle	
	Picture bottom		Inner circle	Center of inner and outer circles

ADJUSTMENT POINT (调整部位)

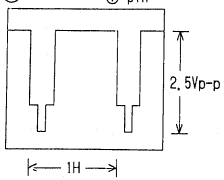


WIRING DIAGRAM

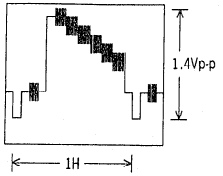


WAVEFORMS

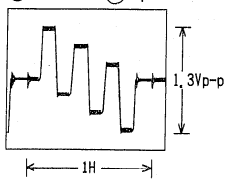
① I201 ⑦ pin



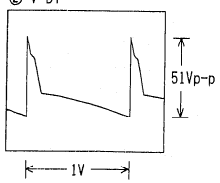
⑤ I201 ⑮ pin



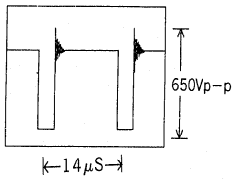
⑨ I201 ㉘ pin



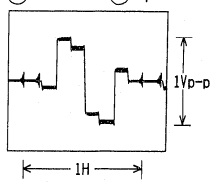
② V-DY



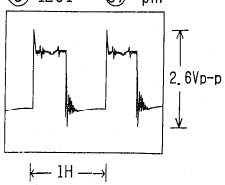
⑥ I901 ① pin



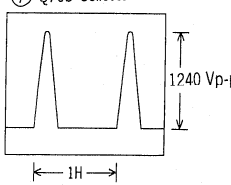
⑩ I201 ㉙ pin



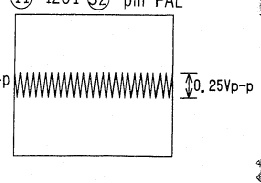
③ I201 ㊲ pin



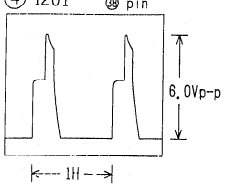
⑦ Q708 Collector



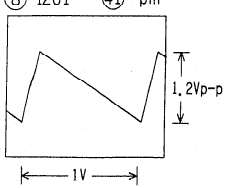
⑪ I201 ㉜ pin PAL



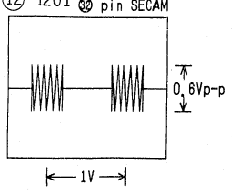
④ I201 ㊳ pin



⑧ I201 ㊶ pin



⑫ I201 ㊷ pin SECAM



I001

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
VOLTAGE	0.53	5.5	0.1	0.7	4.2	0.9	3.1	3.1	3.4	4.1	5.1	5.1	5.2	5.2	5.2	5.2	0	0	2.3	2.3	0
PIN NO.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
VOLTAGE	5.2	4.9	0	5.2	5.1	0	0.1	2.8	4.5	5.1	4.8	5.2	4.9	0	5.2	5.2	5.2	0.2	0	0	0

I002

PIN NO.	1	2	3	4	5	6	7	8
VOLTAGE	0	0	0	0	5.2	5.2	0	5.2

I004

PIN NO.	1	2	3
VOLTAGE	5.2	0	5.2

IE01

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	5.2	5.7	7.4	4.9	4.5	4.5	0	0	8.9	7.9	3.1	3.1	7.4	0.2	7.9	7.9	3.5	4.8	3.5	4.3
PIN NO.	21	22	23	24																
VOLTAGE	4.3	6.9	5.7	2.1																

IE02

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	4.9	5.0	4.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0	4.1	8.2	6.4	4.9

IE03

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	0	2.5	5.1	0	2.5	4	2.5	2.5	0	0	2.5	0	0	0	2.5	2.5	0.4	0	0	2.5
PIN NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
VOLTAGE	2.8	2.5	2.4	0	2.5	5.1	2.6	2.5	2.5	2.6	2.5	2	2.5	2.5	2.5	5.1	0	5.1	4.4	3.6
PIN NO.	41	42	43	44	45	46	47	48	49	50	51	52								
VOLTAGE	2.6	0	2.7	0	2.6	5.1	5.1	2.7	4.9	4.9	5.1	0								

I402

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	4.2	4.1	4.1	4.2	4.2	4.2	4.2	0	4.9	4.9	5.0	5.2	0	4.2	4.2	4.2	4.2	4.1	4.1	8.4

I301

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOLTAGE	8.2	0	4.9	5.2	4.9	5.2	4.9	5.2	4.9	5.2	5.2	4.9	5.2	5.2	4.9	3.9	4.0	3.5	0	3.5
PIN NO.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
VOLTAGE	3.5	3.5	3.5	4.9	0	4.9	3.0	4.9	8.2	3.5	0	4.9	4.8	5.2	5.2	4.9				

I451

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12
VOLTAGE	1.2	0	22.8	0	0	1.2	1.2	22	0	23	22	11.8

I801

PIN NO.	1	2	3	4	5	6	7	8	9
VOLTAGE	1.4	1.4	1.4	0	1.4	203	123	127	124

I601

PIN NO.	1	2	3	4	5	6	7
VOLTAGE	0	12	26.8	0	0	1.3	26.2

I902

PIN NO.	1	2	3	4	5	6
VOLTAGE	66	65	0	0	7.9	6

I901

PIN NO.	1	2	3	4	5	6	7	8	9
VOLTAGE	300	0	-4	0.9	1.6	0	0	0.8	8.3

I903

PIN NO.	1	2	3
VOLTAGE	12	0	9

Q604	B	C	E
VOLTAGE	23.3	0	23.4

Q661	B	C	E
VOLTAGE	12.2	0	12.9

Q662	B	C	E
VOLTAGE	0.3	12	0

Q663	B	C	E
VOLTAGE	5.2	0.3	6.4

Q664	B	C	E
VOLTAGE	4.3	7.2	3.8

Q665	B	C	E
VOLTAGE	0.4	4.0	0.0

Q666	B	C	E
VOLTAGE	4.0	0	0

Q708	B	C	E
VOLTAGE	0	0	0

Q709	B	C	E
VOLTAGE	0.3	28.0	0

Q740	B	C	E
VOLTAGE	1.2	9.0	1.4

Q741	B	C	E
VOLTAGE	124	2.8	124

Q742	B	C	E
VOLTAGE	0	130	0

Q901	B	C	E
VOLTAGE	7.4	40	8.3

Q930	B	C	E
VOLTAGE	23.0	0	23.0

Q951	B	C	E
VOLTAGE	7.4	40.0	8.3

Q952	B	C	E
VOLTAGE	70.0	55.0	70.0

Q953	B	C	E
VOLTAGE	0	70.0	0

Q954	B	C	E
VOLTAGE	11.8	12.0	12.0

Q955	B	C	E
VOLTAGE	5.0	0	0

Q956	B	C	E
VOLTAGE	0.5	0	0

Q957	B	C	E
VOLTAGE	5.7	12	6.1

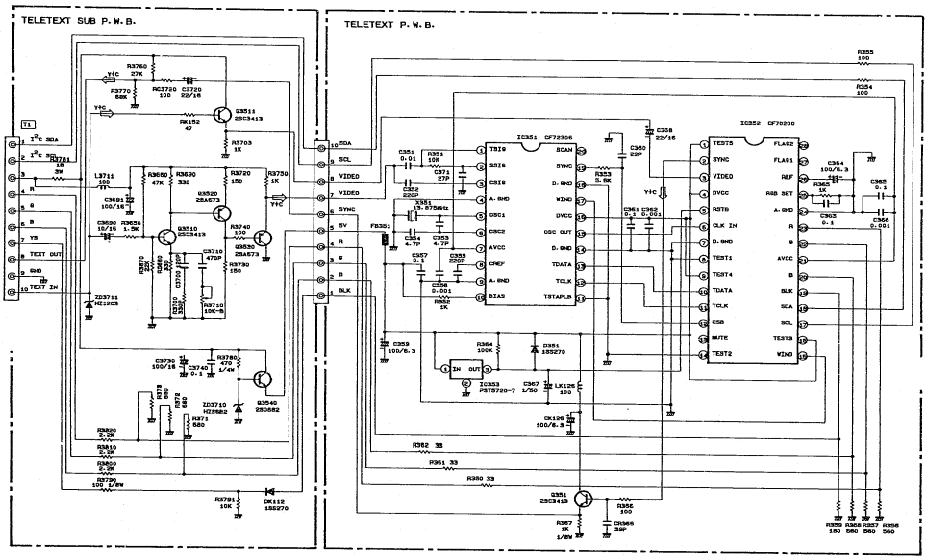
Q958	B	C	E
VOLTAGE	70.0	12.0	55.0

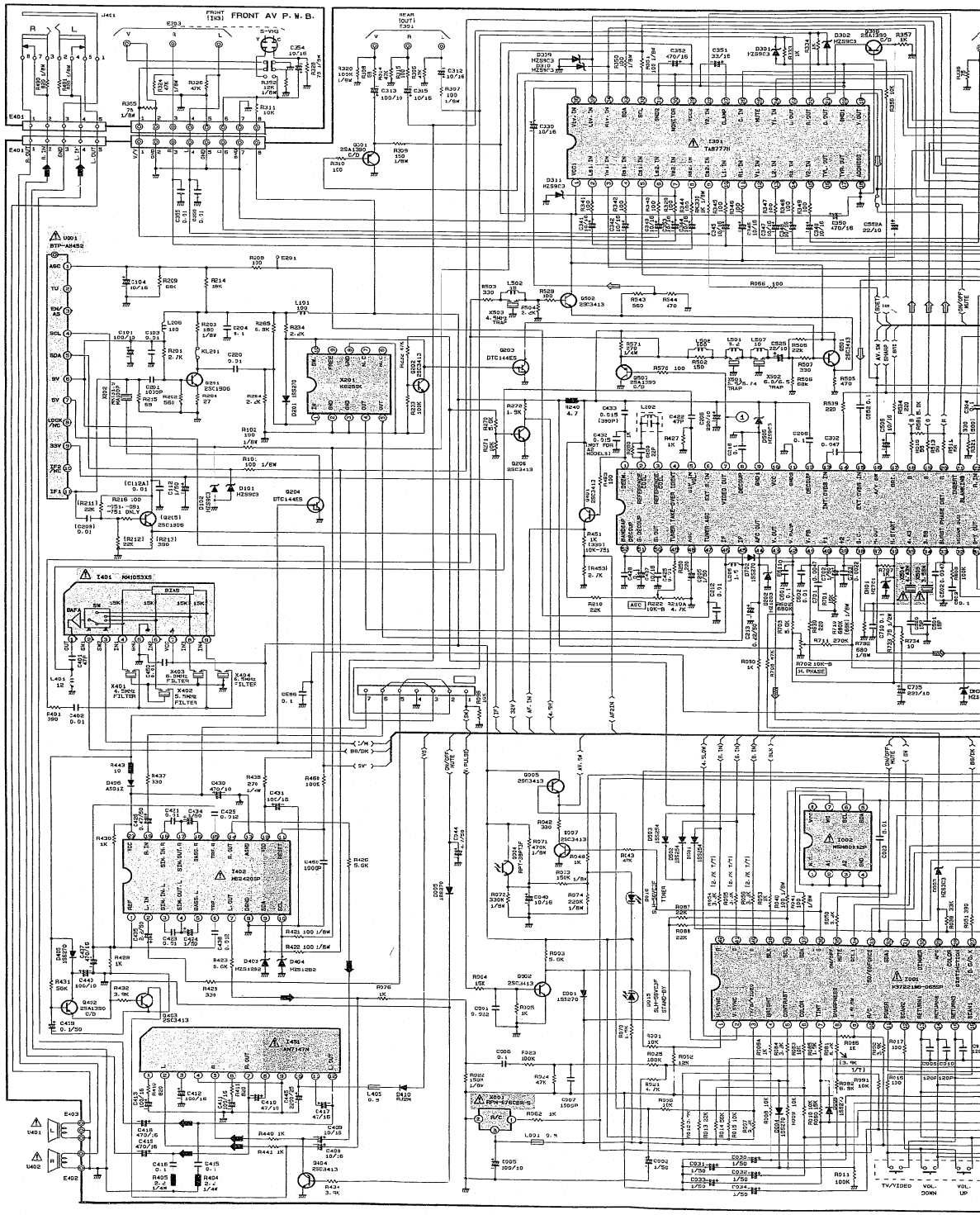
Q959	B	C	E
VOLTAGE	4.8	0	4.8

Q962	B	C	E
VOLTAGE	5.5	9.0	5.0

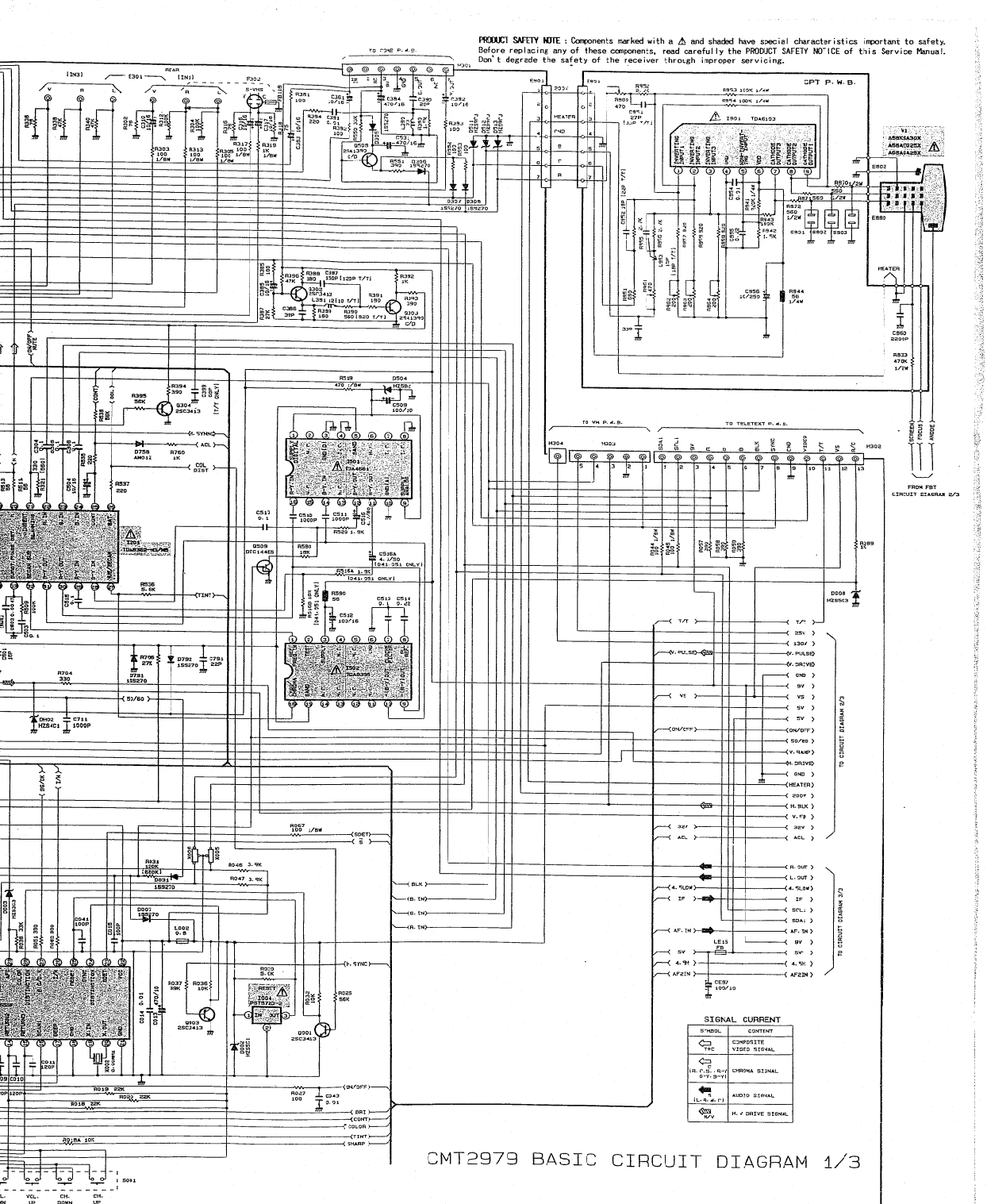
Q961	B	C	E
VOLTAGE	7.8	0	4.9

S4 CHASSIS TELETEXT BASIC CIRCUIT DIAGRAM (FOR 081S & PX-981 ONLY)





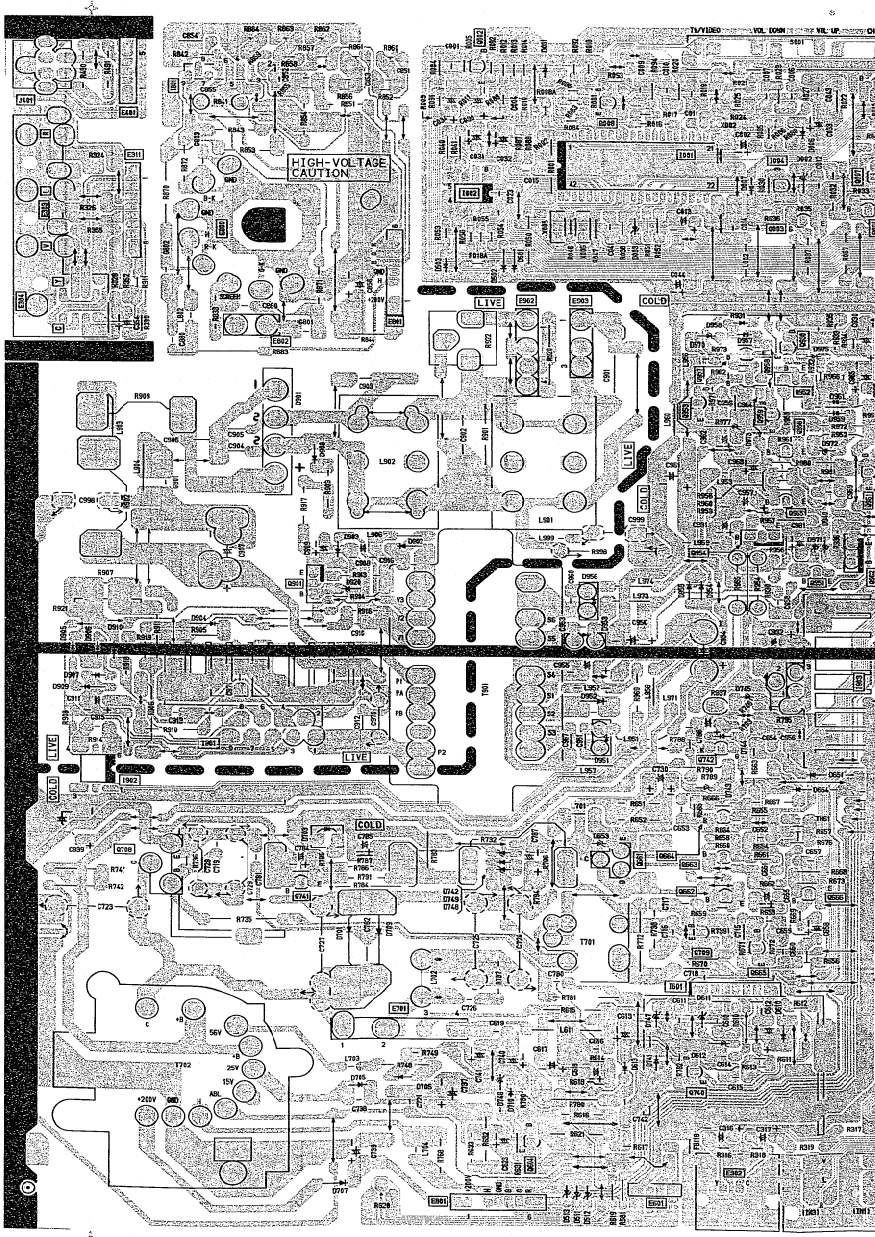
PRODUCT SAFETY NOTE : Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.



CMT2979 BASIC CIRCUIT DIAGRAM 1/3

- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V).
  Voltage taken on a complex color bar signal including a standard color bar signal.

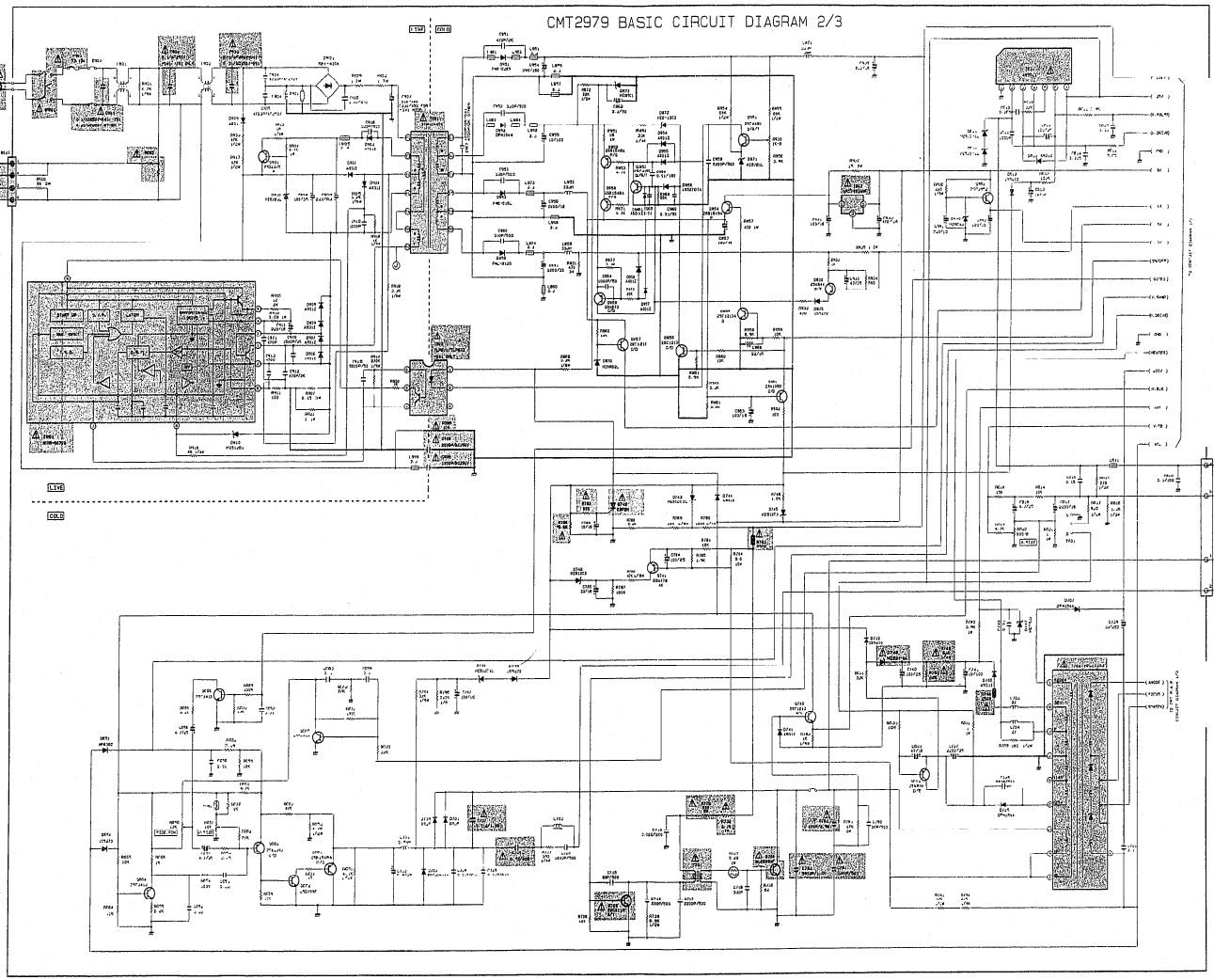
MCL 437 FEX 1.6t 1/0 GRAIN



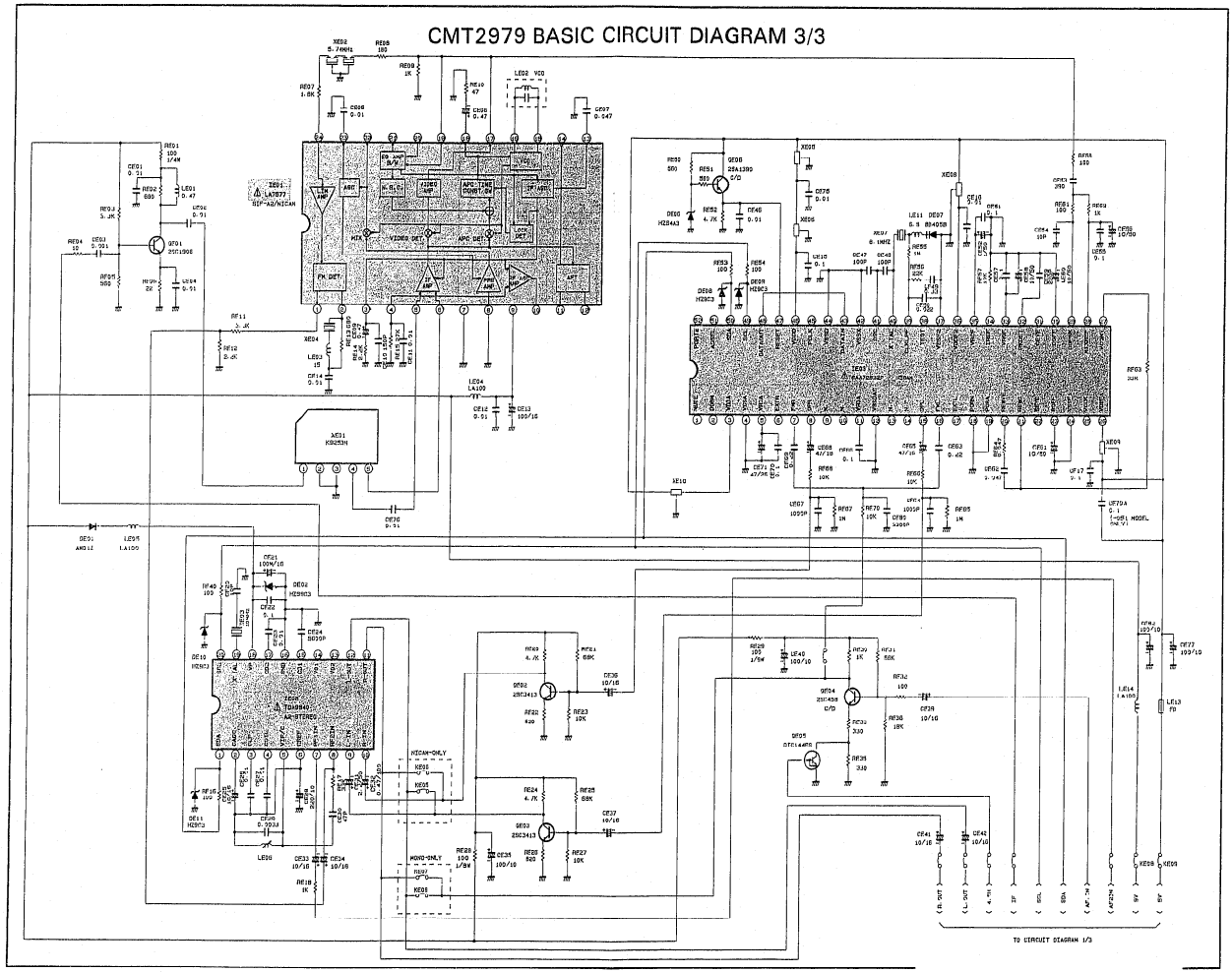
HCPS JK02411 (MA

N DIRECTION ⊥ Use Bias Screen

) 09 JAN '96 (O/S)


CMT2979 BASIC CIRCUIT DIAGRAM 2/3
L1VP
GND
L1VS
COLD

CMT2979 BASIC CIRCUIT DIAGRAM 3/3



REPLACEMENT PARTS LIST

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ABBREVIATIONS	
	Capacitors ..... CD: Ceramic Disk, PF: Polyester Film, EL: Electrolytic, PP: Polypropylene, PR: Paper, TA: Tantalum, TM: Trimer.
	Resistors ..... CF: Carbon film, WW: Wire Wound, FR: Fuse Resistor, MG: Metal Glazed, VR: Variable Resistor, CC: Carbon Composition, MF: Metal Oxide Film.
	Semiconductors ..... TR: Transistor, DI: Diode, ZD: Zener Diode, VA: Varistor, TH: Thermistor.

SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
#1010	NA02493	CHAS MTG METAL A4Y R	C112	0800003R	EL 1MF 50V
#1020	NA02501	CHAS MTG METAL A4Y L	C112A	0880009R	PF 0.01MF ±10% 50V (FOR 081S, PX-981)
#1030	NJ00921	IR HOLDER A4Y	C201	0890087R	CD 1000PF ±10% 50V
#1040	3874636	LED HOLDER A3	C204	0880016R	PF 0.1MF ±10% 50V
#1060	3816162	G9 EE HOLDER (S)	C205	0800003R	EL 1MF 50V
#1080	4319361	3*12 B-T SCREW WITH WASHER	C206	0800057R	EL 220MF 10V
#1090	4519512	4X16 B TAPPING SCREW	C208	0880016R	PF 0.1MF ±10% 50V
#1110	3446864	V HEAT SINK M3LXU	C209	0880009R	PF 0.01MF ±10% 50V
#1120	MA00141	HEAT SINK S2 (H) A1100P-H14			(FOR 051, 081S, 751, PX-981)
#1130	3442421	HEAT SINK	C212	0880009R	PF 0.01MF ±10% 50V
#1140	3445843	POWER HEAT SINK A1PN	C213	0800273R	EL 0.22MF 50V
#1150	3446473	HEAT SINK H30 P10	C215	0880016R	PF 0.1MF ±10% 50V
#1160	3446475	HEAT SINK H50 P10	C220	0880009R	PF 0.01MF ±10% 50V
#1170	3445841	BS POWER HEAT SINK GO	C250	0890065R	CD 22PF ±5% 50V
#1180	MA00661	S4 CPT OUT HEAT SINK	C302	0880014R	PF 0.047MF ±10% 50V
#1210	4520883	3*12 SCREW WITH WASHER	C304	0880016R	PF 0.1MF ±10% 50V
#1220	4520881	M3X8 SCREW WITH WASHER	C305	0880016R	PF 0.1MF ±10% 50V
#1220A	8821114	NUT, 3	C306	0880016R	PF 0.1MF ±10% 50V
#1230	4519504	3*8 B TAPPING SCREW	C310	0800015R	EL 10MF 16V
#1300	1ME2004	PVC SHIELD PLATE	C312	0800015R	EL 10MF 16V
#2000	3746071	IEC CORD HOLDER	C313	0800048R	EL 100MF 10V
B001	JK02411	MAIN PWB	C315	0800015R	EL 10MF 16V
C001	0880012R	PF 0.022MF ±10% 50V	C316	0800015R	EL 10MF 16V
C002	0800003R	EL 1MF 50V	C317	0800015R	EL 10MF 16V
C005	0800048R	EL 100MF 10V	C330	0800015R	EL 10MF 16V
C006	0880016R	PF 0.1MF ±10% 50V	C341	0800015R	EL 10MF 16V
C007	0890089R	CD 0.0015MF ±10% 50V	C342	0800015R	EL 10MF 16V
C009	0890075R	CD 120PF ±5% 50V	C343	0800015R	EL 10MF 16V
C010	0890075R	CD 120PF ±5% 50V	C344	0800015R	EL 10MF 16V
C011	0890075R	CD 120PF ±5% 50V	C345	0800015R	EL 10MF 16V
C013	0800352R	EL 470MF 10V	C346	0800015R	EL 10MF 16V
C014	0880009R	PF 0.01MF ±10% 50V	C347	0800015R	EL 10MF 16V
C015	0890074R	CD 100PF ±5% 50V	C348	0800015R	EL 10MF 16V
C023	0880009R	PF 0.01MF ±10% 50V	C349	0800015R	EL 10MF 16V
C030	0800003R	EL 1MF 50V	C350	0800353R	EL 470MF 16V
C031	0800003R	EL 1MF 50V	C351	0800032R	EL 33MF 16V
C032	0800003R	EL 1MF 50V	C352	0800353R	EL 470MF 16V
C033	0800003R	EL 1MF 50V	C353	0800015R	EL 10MF 16V
C034	0800003R	EL 1MF 50V	C354	0800015R	EL 10MF 16V
C040	0800015R	EL 10MF 16V	C355	0880009R	PF 0.01MF ±10% 50V
C041	0890074R	CD 100PF ±5% 50V	C356	0880009R	PF 0.01MF ±10% 50V
C043	0880009R	PF 0.01MF ±10% 50V	C361	0800015R	EL 10MF 16V
C044	0800012R	EL 4.7MF 50V	C380	0248667R	CD 20PF 50V
C101	0800048R	EL 100MF 10V	C381	0880009R	PF 0.01MF ±10% 50V
C103	0880009R	PF 0.01MF ±10% 50V	C382	0800015R	EL 10MF 16V
C104	0800015R	EL 10MF 16V	C383	0800015R	EL 10MF 16V

制品安全上的注意：在下表附带△标记的机件具备特别的安全特性，要替换这些机件以前请详细阅读这本检修手册中“制品安全上的注意”一书，以避免因检修不当而降低电视机的安全性。

SYMBOL NO.	PART NO.	DESCRIPTION
C384	0800353R	EL 470MF 16V
C385	0800015R	EL 10MF 16V
C386	0890068R	CD 39PF ±5% 50V
C387	0890076R	CD 150PF ±10% 50V
C387	0890075R	CD 120PF ±10% 50V (FOR 081S, PX-981 ONLY)
C399	0890072R	CD 68PF ±10% 50V (FOR 081S, PX-981 ONLY)
C401	0890069R	CD 47PF ±5% 50V
C402	0880009R	PF 0.01MF ±10% 50V
C408	0800015R	EL 10MF 16V
C409	0800015R	EL 10MF 16V
C410	0800041R	EL 47MF 16V
C411	0800326R	EL 100MF 16V
C412	0800326R	EL 100MF 16V
C413	0800326R	EL 100MF 16V
C415	0880016R	PF 0.1MF ±10% 50V
C416	0880016R	PF 0.1MF ±10% 50V
C417	0800041R	EL 47MF 16V
C418	0800353R	EL 470MF 16V
C419	0800353R	EL 470MF 16V
C421	0880009R	PF 0.01MF ±10% 50V
C422	0890069R	CD 47PF ±5% 50V
C423	0880009R	PF 0.01MF ±10% 50V
C424	0284623R	EL 1MF 50V
C425	0880009R	PF 0.01MF ±10% 50V
C426	0800005R	EL 2.2MF 50V
C427	0800015R	EL 10MF 16V
C428	0880016R	PF 0.1MF ±10% 50V
C429	0880045R	PF 0.012MF ±10% 50V
C430	0800352R	EL 470MF 10V
C431	0800326R	EL 100MF 16V
C432	0880004R	PF 0.0015MF ±10% 50V (NOT FOR 081S, 751, PX-981)
C433	0880004R	PF 0.0015MF ±10% 50V (NOT FOR 081S, 751, PX-981)
C433	0890082R	CD 390PF ±10% 50V (FOR 081S, 751, PX-981)
C434	0284623R	EL 1MF 50V
C435	0800005R	EL 2.2MF 50V
C437	0800353R	EL 470MF 16V
C438	0880045R	PF 0.012MF ±10% 50V
C439	0880016R	PF 0.1MF ±10% 50V
C440	0800048R	EL 100MF 10V
C445	0800368N	EL 2200MF 25V
C450	0880009R	PF 0.01MF ±10% 50V
C460	0890087R	CD 1000PF ±10% 50V
C501	0880116R	CD 15PF ±5% 50V
C502	0880007R	PF 0.0047MF ±10% 50V
C503	0880016R	PF 0.1MF ±10% 50V
C504	0800015R	EL 10MF 16V
C506	0800015R	EL 10MF 16V
C509	0800048R	EL 100MF 10V
C510	0890087R	CD 1000PF ±10% 50V
C511	0890087R	CD 1000PF ±10% 50V
C512	0800326R	EL 100MF 16V
C513	0880016R	PF 0.1MF ±10% 50V
C514	0880018R	PF 0.22MF ±10% 50V
C515	0880016R	PF 0.1MF ±10% 50V
C516	0284634R	EL 4.7MF 50V
C516A	0284634R	EL 4.7MF 50V (B.P.) (FOR 041, 051 ONLY)
C517	0880016R	PF 0.1MF ±10% 50V
C520	0890116R	CD 15PF ±5% 50V
C525	0284646R	EL 22MF 10V
C531	0800353R	EL 470MF 16V
C552	0880016R	PF 0.1MF ±10% 50V
C552A	0284646R	EL 22MF 10V
C601	0880016R	PF 0.1MF ±10% 50V
C602	0880009R	PF 0.01MF ±10% 50V
C610	0880015R	PF 0.068MF ±10% 50V
C611	0244501R	CD 1000PF ±10% 500V
C611A	0243509R	CD 470PF ±10% 500V
C612	0800052R	EL 100MF 35V
C613	0800015R	EL 10MF 16V
C614	0880011R	PF 0.015MF ±10% 50V
C615	0880009R	PF 0.01MF ±10% 50V
C616	0880017R	PF 0.15MF ±10% 50V
C617	0800368N	EL 2200MF 25V
C618	0800012R	EL 4.7MF 50V
C619	0279693R	PF 0.1MF ±10% 100V
C623	0800041R	EL 47MF 16V
C651	0880018R	PF 0.22MF ±10% 50V
C652	0880018R	PF 0.22MF ±10% 50V
C655	0800012R	EL 4.7MF 50V
C656	0880009R	PF 0.01MF ±10% 50V
C657	0880009R	PF 0.01MF ±10% 50V
C658	0800012R	EL 4.7MF 50V
C659	0880016R	PF 0.1MF ±10% 50V
C660	0880016R	PF 0.1MF ±10% 50V
C681	0890067R	CD 33PF ±5% 50V
C701	0880007R	PF 0.0047MF ±10% 50V
C701	0880003R	PF 0.001MF ±10% 50V (FOR 081S, PX-981)
C702	0800003R	EL 1MF 50V
C703	0880005R	PF 0.0022MF ±10% 50V
C705	0800334R	EL 220MF 10V
C710	0880016R	PF 0.1MF ±10% 50V
C711	0890087R	CD 1000PF ±10% 50V
C715	0247850R	CD 68PF ±5% 500V
C716	0243507R	CD 330PF ±10% 500V
C717	0244505R	CD 2200PF ±10% 500V
C718	0299918F	PF 0.022MF ±10% 200V
C719	0890081R	CD 330PF ±10% 50V
C721	0880016R	PF 0.1MF ±10% 50V
△ C723	0262416F	PF 0.0039MF 1.8KV
△ C725	0262801F	PF 0.56MF ±5% 250V
C726	0244501R	CD 1000PF ±10% 500V
△ C727	0262429F	PF 0.012MF ±5% 1.8KV
C728	0299720F	PF 0.015MF 630V
C729	0299720F	PF 0.015MF 630V
C730	0259474	EL 6.8MF 25V

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SYMBOL NO.	PART NO.	DESCRIPTION
C737	0284442	EL 2200MF ±20% 35V
C738	0243510R	CD 560PF ±10% 500V
C739	0253974N	EL 33MF 250V
C740	0800051R	EL 100MF 25V
C741	0800021R	EL 10MF 100V
C742	0880009R	PF 0.01MF ±10% 50V
C780	0890071R	CD 56PF ±5% 50V
△ C781	0244507R	CD 3300PF ±10% 500V
△ C782	0249491F	CD 470PF ±10% 2.5KV
C784	0800051R	EL 100MF 25V
C785	0800032R	EL 33MF 16V
C786	0800015R	EL 10MF 16V
C787	0800326R	EL 100MF 16V
C791	0890068R	CD 39PF ±5% 50V
C851	0890066R	CD 27PF ±5% 50V
C851	0890067R	CD 33PF ±5% 50V (FOR 081S, PX-981 ONLY)
C852	0890064R	CD 18PF ±5% 50V
C852	0890065R	CD 22PF ±5% 50V (FOR 081S, PX-981 ONLY)
C853	0890063R	CD 15PF ±5% 50V
C853	0890064R	CD 18PF ±5% 50V (FOR 081S, PX-981 ONLY)
C854	0299622F	PF 0.01MF 630V
C855	0880018R	PF 0.22MF ±10% 50V
C856	0253972N	EL 10MF 250V
C860	0244889R	CD 2200PF 2KV ±10% 2KV
△ C901	0262773	PF 0.1MF ±20% 250V (FOR 041, 751)
△ C901	0262774	PF 0.22MF ±20% 250V (NOT FOR 041)
△ C902	0262773	PF 0.1MF ±20% 250V (FOR 041, 751)
△ C903	0262773	PF 0.1MF ±20% 250V (FOR 041, 751)
C903	0248594F	CD 0.01MF +80%-20% 250V (FOR 051, 081S, PX-981, 191, 192)
C903	0262773	PF 0.1MF ±20% 250V (FOR 981, 192S)
C904	0248593F	CD 4700PF +80%-20% 250V
C905	0248593F	CD 4700PF +80%-20% 250V
C906	0248594F	CD 0.01MF +80%-20% 250V
C907	0251886	EL 330MF ±20% 400V (NOT FOR 041)
C907	AL00095	EL 330MF 450V (FOR 041)
C908	0800063N	EL 220MF 63V
C909	0284436R	EL 100MF 35V
C910	0890087R	CD 1000PF ±10% 50V
C911	0284405R	EL 220MF ±20% 16V
C912	0244213	CD 1500PF ±10% 2KV (FOR 051, 751)
C912	0244202F	CD 4700PF ±10% 2KV
C913	0244109R	CD 4700PF ±10% 50V
C915	0880044R	PF 0.01MF ±10% 50V
C916	0243507R	CD 330PF ±10% 500V
C930	0800043R	EL 47MF 35V
C931	0800326R	EL 100MF 16V
C932	0800074N	EL 470MF 16V
C939	0253862F	EL 220MF ±20% 160V
C951	0244202F	CD 470PF ±10% 2KV
C952	0243507R	CD 330PF ±10% 500V
C953	0243507R	CD 330PF ±10% 500V
C954	0251703	EL 390MF ±20% 160V
C955	0284478R	EL 10MF ±20% 100V
C956	0254510N	EL 2200MF 16V
C957	0800326R	EL 100MF 16V
C958	0244505R	CD 2200PF ±10% 500V
C959	0279687R	PF 0.01MF 100V
C960	0243507R	CD 330PF ±10% 500V
C961	0255011F	EL 2200MF 35V
C962	0800005R	EL 2.2MF 50V
C963	0800326R	EL 100MF 16V
C964	0890087R	CD 1000PF ±10% 50V
C965	0880044R	PF 0.01MF ±10% 50V
C967	0244202F	CD 4700PF ±10% 2KV (NOT FOR 041)
C967	0244211F	CD 1000PF ±10% 2KV (FOR 041)
C968	0800023R	EL 22MF 16V
C969	0880044R	PF 0.01MF ±10% 50V
C970	0244213	CD 1500PF ±10% 2KV
C971	0243509R	CD 470PF ±10% 500V
C980	0800048R	EL 100MF 10V
C981	0800334R	EL 220MF 10V
△ C998	AJ00184F	PF 2200PF 250V
△ C999	AJ00182F	PF 1000PF 250V
CE01	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE02	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE03	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE05	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE06	0800001R	EL 0.47MF 50V (FOR 051, 081S, 751, PX-981)
CE07	0880014R	PF 0.047MF ±10% 50V (FOR 051, 081S, 751, PX981)
CE09	0800277R	EL 0.47MF 50V (FOR 051, 081S, 751, PX-981)
CE10	0890076R	CD 150PF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE11	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE12	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, 751, PX-981)
CE13	0800326R	EL 100MF 16V (FOR 051, 081S, 751, PX-981)
CE14	0880009R	PF 0.01MF ±10% 50V (FOR 081S, 751, PX-981)
CE15	0880016R	PF 0.1MF ±10% 50V (FOR 081S, PX-981)
CE16	0880009R	PF 0.01MF ±10% 50V (FOR 081S, PX-981)
CE17	0880016R	PF 0.1MF ±10% 50V (FOR 051, 081S, PX-981)
CE20	0890061R	CD 10PF ±0.5% 50V (FOR 081S, 751, PX-981)
CE21	0800326R	EL 100MF 16V (FOR 081S, 751, PX-981)
CE22	0880016R	PF 0.1MF ±10% 50V (FOR 081S, 751, PX-981)

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SYMBOL NO.	PART NO.	DESCRIPTION
CE23	0880009R	PF 0.01MF ±10% 50V (FOR 081S, 751, PX-981)
CE24	0880041R	PF 0.0056MF ±10% 50V (FOR 081S, 751, PX-981)
CE25	0800015R	EL 10MF 16V (FOR 081S, 751, PX-981)
CE26	0880009R	PF 0.01MF ±10% 50V (FOR 081S, 751, PX-981)
CE27	0880009R	PF 0.01MF ±10% 50V (FOR 081S, 751, PX-981)
CE28	0800058R	EL 220MF 16V (FOR 081S, 751, PX-981)
CE29	0880037R	PF 0.0033MF ±10% 50V (FOR 081S, 751, PX-981)
CE30	0890069R	CD 47PF ±5% 50V (FOR 081S, 751, PX-981)
CE31	0800005R	EL 2.2MF 50V (FOR 081S, 751, PX-981)
CE32	0800002R	EL 0.47MF 100V (FOR 081S, 751, PX-981)
CE33	0800015R	EL 10MF 16V (FOR 081S, 751, PX-981)
CE34	0800015R	EL 10MF 16V (FOR 081S, 751, PX-981)
CE35	0800048R	EL 100MF 10V (FOR 051, 081S, PX-981)
CE36	0800015R	EL 10MF 16V (FOR 051, 081S, PX-981)
CE37	0800015R	EL 10MF 16V (FOR 051, 081S, PX-981)
CE39	0800015R	EL 10MF 16V
CE40	0800048R	EL 100MF 10V
CE41	0800015R	EL 10MF 16V
CE42	0800015R	EL 10MF 16V
CE46	0880009R	PF 0.01MF ±10% 50V (FOR 051, 081S, PX-981)
CE47	0890074R	CD 100PF ±5% 50V (FOR 081S, PX-981)
CE48	0890074R	CD 100PF ±5% 50V (FOR 051, 081S, PX-981)
CE49	0880019R	PF 0.33MF ±10% 50V (FOR 081S, PX-981)
CE50	0880048R	PF 0.022MF ±10% 50V (FOR 081S, PX-981)
CE51	0880016R	PF 0.1MF ±10% 50V (FOR 081S, PX-981)
CE52	0800003R	EL 1MF 50V (FOR 081S, PX-981)
CE53	0890082R	CD 390PF ±10% 50V (FOR 051, 081S, PX-981)
CE54	0890061R	CD 10PF ±0.5% 50V (FOR 051, 081S, PX-981)
CE55	0880016R	PF 0.1MF ±10% 50V (FOR 051, 081S, PX-981)
CE56	0800018R	EL 10MF 50V (FOR 051, 081S, PX-981)
CE57	0880016R	PF 0.1MF ±10% 50V (FOR 051, 081S, PX-981)
CE58	0800018R	EL 10MF 50V (FOR 051, 081S, PX-981)
CE59	0890078R	CD 220PF ±10% 50V (FOR 051, 081S, PX-981)
CE60	0800018R	EL 10MF 50V (FOR 051, 081S, PX-981)
CE61	0800018R	EL 10MF 50V (FOR 051, 081S, PX-981)
CE62	0880053R	PF 0.047MF ±10% 50V (FOR 051, 081S, PX-981)
CE63	0880062R	PF 0.22MF ±10% 50V (FOR 051, 081S, PX-981)
CE64	0880003R	PF 0.001MF ±10% 50V (FOR 051, 081S, PX-981)
CE65	0800041R	EL 47MF 16V (FOR 051, 081S, PX-981)
CE66	0880016R	PF 0.1MF ±10% 50V (FOR 051)
CE66	0880016R	PF 0.1MF ±10% 50V (FOR 081S, PX-981)
CE67	0880003R	PF 0.001MF ±10% 50V (FOR 051, 081S, PX-981)
CE68	0800041R	EL 47MF 16V (FOR 051, 081S, PX-981)
CE69	0880062R	PF 0.22MF ±10% 50V (FOR 051, 081S, PX-981)
CE70	0880016R	PF 0.1MF ±10% 50V (FOR 051, 081S, PX-981)
CE71	0800041R	EL 47MF 16V (FOR 051, 081S, PX-981)
CE76	0880009R	PF 0.01MF ±10% 50V (FOR 051,081S,751,PX-981)
CE77	0800048R	EL 100MF 10V (FOR 051, 081S, PX-981)
CE80	0880006R	PF 3300PF ±10% 50V (FOR 051,081S, PX-981)
CE80	0880007R	PF 0.0047MF ±10% 50V (FOR 751)
CE82	0800326R	EL 100MF 16V (FOR 051, 081S, 751, PX-981)
CE86	0880016R	PF 0.1MF ±10% 50V (FOR 081S, PX-981)
CE87	0800048R	EL 100MF 10V
D001	2344041M	DI 1SS254/1SS270
D002	2339837M	ZD HZS5C1
D003	2339819M	ZD HZS3C3
D004	2344041M	DI 1SS254/1SS270
D005	2344041M	DI 1SS254/1SS270
D006	2344041M	DI 1SS254/1SS270
D007	2344041M	DI 1SS254/1SS270
D008	2339839M	ZD HZS5C3
D015	CH00231A	LED SLH-56VC3F
D016	CH00232	LED SLH-56MC
D031	2344041M	DI 1SS254/1SS270
D101	2339869M	ZD HZS9C3
D102	2339869M	ZD HZS9C3
D201	2344041M	DI 1SS254/1SS270
D202	2339889M	ZD HZS12C3
D301	2339869M	ZD HZS9C3
D302	2339869M	ZD HZS9C3
D305	2344041M	DI 1SS254/1SS270
D306	2344041M	DI 1SS254/1SS270
D307	2344041M	DI 1SS254/1SS270
D308	2344041M	DI 1SS254/1SS270
D309	2339869M	ZD HZS9C3
D310	2339869M	ZD HZS9C3
D311	2339869M	ZD HZS9C3
D403	2339885M	ZD HZS12B2
D404	2339885M	ZD HZS12B2
D405	2344041M	DI 1SS254/1SS270
D406	2339481M	DI AS01Z 200V
D410	2333001M	DI RU2M
D501	2344041M	DI 1SS254/1SS270
D502	2344041M	DI 1SS254/1SS270
D503	2344041M	DI 1SS254/1SS270
D504	2339835M	ZD HZS5B2
D505	2339869M	ZD HZS9C3

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SYMBOL NO.	PART NO.	DESCRIPTION
D511	2339869M	ZD HZS9C3
D512	2339869M	ZD HZS9C3
D513	2339869M	ZD HZS9C3
D610	2339491M	DI AM01Z 200V
D611	2339231M	ZD HZS3D-1L
D612	2339231M	ZD HZS3D-1L
D613	2344041M	DI 1SS254/1SS270
D651	2343962M	DI MPG06G
D654	2344041M	DI 1SS254/1SS270
D701	2348511	DI RS3FS
D702	2344041M	DI 1SS254/1SS270
D703	2344071	DI ERC20M-04
D705	2338902M	DI DFM1SA4
D706	2339481M	DI AS01Z 200V
D707	2338902M	DI DFM1SA4
D709	2348511	DI RS3FS
D710	2344041M	DI 1SS254/1SS270
D741	2339481M	DI AS01Z 200V
D742	2339889M	ZD HZS12C3
D743	2339151M	ZD HZS12C1L
D744	2339481M	DI AS01Z 200V
D745	2339889M	ZD HZS12C3
⚠ D746	2339212M	ZD HZS24-2L
D747	2335991M	ZD HZT33-02
D748	2339151M	ZD HZS12C1L
D749	2344041M	DI 1SS254/1SS270
D758	2339491M	DI AM01Z 200V
D791	2344041M	DI 1SS254/1SS270
D792	2344041M	DI 1SS254/1SS270
D901	2338314	DI RBV-406M(LF-A)
D902	2339481M	DI AS01Z 200V
D903	2339481M	DI AS01Z 200V
D904	2339481M	DI AS01Z 200V
D905	2339481M	DI AS01Z 200V
D906	2339481M	DI AS01Z 200V
D907	2339481M	DI AS01Z 200V
D908	2339482M	DI AS01 400V
D909	2339481M	DI AS01Z 200V
D910	2339884M	ZD HZS12B1
D920	2339053M	ZD HZS7B3L
D940	2339843M	ZD HZS6A3
D951	2338931	DI FMG-G26S
D952	2338902	DI DFM1SA4
D953	2349851	DI FM8-G16L
D954	2339481M	DI AS01Z 200V
D955	2339481M	DI AS01Z 200V
D956	2338944	DI FML-G12S(F)
D957	2339481M	DI AS01Z 200V
D958	2339481M	DI AS01Z 200V
D959	2344041M	DI 1SS254/1SS270
D961	2339481M	DI AS01Z 200V
D970	2339022M	ZD HZS6B2L
D971	2339051M	ZD HZS7B1L
D972	2339888M	ZD HZS12C2
D973	2339837M	ZD HZS5C1
D975	2344041M	DI 1SS254/1SS270
DE01	2339491M	DI AM01Z 200V (FOR 081S, 751, PX-981)
DE02	2339869M	ZD HZS9C3 (FOR 081S, 751, PX-981)
DE06	2339823M	ZD HZS4-A3 (FOR 051, 081S, PX-981)
DE07	2343901M	DI BB405B (FOR 051, 081S, PX-981)
DE08	2339869M	ZD HZS9C3 (FOR 051, 081S, PX-981)
DE09	2339869M	ZD HZS9C3 (FOR 051, 081S, PX-981)
DE10	2339869M	ZD HZS9C3 (FOR 081S, 751, PX-981)
DE11	2339869M	ZD HZS9C3 (FOR 081S, 751, PX-981)
DH01	2339857M	ZD HZS7C1
DH02	2339827M	ZD HZS4C1
E201	2122652M	FERRITE CORE WITH LEAD
E301	2693863	TERMINAL JPJ1989
E302	2693851	TERMINAL JXT1043
E303	2673601	US 13PIN JACK
E311	2902267	8P SUB MINI PLUG PIN
E401	2902264	5P MINI PLUG PIN WITH BASE
E402	2723101J	2P PLUG PIN W/BASE
E403	2723102J	3P PLUG
E601	2611361	SWITCH
E611	2122652M	FERRITE CORE WITH LEAD
E701	2665272	4P PLUG PIN W/BASE (UL) HAS
E702	2956783	2P CONNECTOR WITH WIRE (UL3239)
E801	EF03941	7P CONNECTOR W/WIRE
E802	2661751	2P PLUG PIN WITH BASE
E880	2698673	SOE-HPS1401-019690
E880	2953344	CRT SOCKET (FOR 751 ONLY)
E902	2661753	4P PLUG PIN WITH BASE
E903	2995909	2J PROCESSED WIRE WITH AMPIN
⚠ E904	EV00001	SAA POWER CORD (FOR 751)
⚠ E904	EV00071	POWER CORD (FOR 051)
⚠ E904	2972581	POWER CORD (FOR 041)
⚠ E904	2972582	POWER CORD (HEWTECH) (FOR 191, 192)
⚠ E904	2972591	POWER CORD (FOR 081S, PX-981, 192S, 981)
E906	2729252AR	FUSE HOLDER (TAPE)
E907	3763752	SK BINDER 200
⚠ F901	2720402	FUSE 3.15A
FB118	2123468M	FERRITE BEADS CORE 0.8MH
FB956A	2123462M	FERRITE BEADS CORE 2.3 MICRO H
G801	CJ00071R	SPARK GAP
G802	CJ00071R	SPARK GAP
G803	CJ00071R	SPARK GAP
G901	CJ00071R	SPARK GAP
H301	HP00151	Y/C COMB FILTER
H302	2902269	10P MINI PLUG PIN WITH BASE (FOR 081S, PX-981)
⚠ I001	CP01882	IC M37221M6-065SP
⚠ I002	CP00822	IC M6M80042P
⚠ I004	2003522R	IC PST572D-2
⚠ I201	2004411	IC TDAR362/N3 (or P#2004415 IC TDA 8362/N5)
⚠ I301	2004652	IC TA8777BN
⚠ I401	2020601	IC MM1053XS
⚠ I402	CP01831	IC M62420SP

制品安全上的注意：在下表附带△标记的机件具备特别的安全特性。要替换这些机件以前请详细阅读这本检修手册中“制品安全上的注意”一书，以避免因检修不当而降低电视机的安全性。

SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
△ I451	2004022	IC AN7147N	L973	2123462M	FERRITE BEADS CORE 2.3MH
△ I501	CP02G11	IC TDA 4665	L974	2123462M	FERRITE BEADS CORE 2.3MH
△ I502	2004431	IC TDA8395	L999	2123462M	FERRITE BEADS CORE 2.3MH
△ I601	2913981	IC AN5521	LE01	2122925M	LAL AXIAL COIL 0.47MH ±10% (FOR 051, 081S, 751, PX-981)
△ I801	CP01931	IC TDA6103			
△ I901	2373382	IC STR-S6709	LE02	2146116	HIGH FREQ. COIL 38.9MHZ (FOR 051, 081S ,751, PX-981)
△ I902	2004761	IC TLP631 (BL-LF2)			
△ I903	2003423	IC UPC7893AHF	LE03	2123105M	LAL AXIAL COIL 15MH ±10% (FOR 081S, 751, PX-981)
△ IE01	2004171	IC LA7577 (NOT FOR 041, 981, 192, 192S)			
△ IE02	2004971	IC TDA9840 (FOR 081S, 751, PX-981)	LE04	2122253M	LAL AXIAL COIL 100MH ±10% (FOR 051, 081S, 751, PX-981)
△ IE03	CP01601	SAA7283ZP (FOR 051, 081S, PX-981)			
J401	2672041	HEADPHONE JACK	LE05	2122253M	LAL AXIAL COIL 100MH ±10% (FOR 081S, 751, PX-981)
K201A	9371901	UNINSULATED COPPER WIRE			
K292A	9371901	UNINSULATED COPPER WIRE	LE06	2146081	7MM IF COIL (FOR 081S, 751, PX-981)
KCE37	9371901	UNINSULATED COPPER WIRE	LE11	2122941M	LAL AXIAL COIL 6.8MH ±10% (FOR 051, 081S, PX-981)
L001	2123461M	FERRITE BEADS CORE 0.8MH			
L002	2123461M	FERRITE BEADS CORE 0.8MH	LE13	2774731R	FERRITE BEAD CORE WITH LEAD (FOR 051, 081S, PX-981)
L101	2123781R	PEAKING COIL 100 MICRO H ±10%			
L202	2146114	HIGH FREQ. COIL 38.9MHZ	LE14	2122253M	LAL AXIAL COIL 100MH ±10%
L205	2122932M	LAL AXIAL COIL 1.5MH ±10%	LE15	2774731R	FERRITE BEAD CORE LEAD
L206	2123781R	PEAKING COIL 100 MICRO H ±10%	ND901	3446852	HEAT SINK (NOT FOR 041, 081S, 751, PX-981)
L380	2123109M	LAL AXIAL COIL 33MH ±10%			
L381	2123104M	LAL AXIAL COIL 12MH ±10%	Q001	2327773M	TR 2SC3413 (C/D)
L381	2123103M	LAL AXIAL COIL 10MH ±10% (FOR 081S, PX-981 ONLY)	Q002	2327773M	TR 2SC3413 (C/D)
			Q003	2327773M	TR 2SC3413 (C/D)
L401	2123104M	LAL AXIAL COIL 12MH ±10%	Q004	2312995	PHOTO TRS. RPT-38PT3F(L/M)
L405	2123461M	FERRITE BEADS CORE 0.8MH	Q005	2327773M	TR 2SC3413 (C/D)
L501	2123102M	LAL AXIAL COIL 8.2MH ±10%	Q007	2327773M	TR 2SC3413 (C/D)
L502	2123105M	LAL AXIAL COIL 15MH ±10%	Q201	2320144	TR 2SC1906
L507	2123103M	LAL AXIAL COIL 10MH ±10%	Q202	2327773M	TR 2SC3413 (C/D)
L508	2122956M	LAL AXIAL COIL 100 MICRO H ±10%	Q203	2326872R	TR DTC114ES
L611	2123461M	FERRITE BEADS CORE 0.8MH	Q204	2326872R	TR DTC114ES
L701	2124183	CHOKE COIL	Q205	2320144	TR 2SC1906 (FOR 051, 081S, 751, PX-981)
L702	BZ01351	LX LINEARITY COIL 27UH	Q206	2327773M	TR 2SC3413 (C/D)
L702	2165404	LX LINEARITY COIL 27μH (FOR 751 ONLY)	Q301	2327753M	TR 2SA1390 (C/D)
L703	2125763R	RADIAL COIL	Q302	2327773M	TR 2SC3413 (C/D)
L704	BH00206R	FIXED COIL 27 MICRO H ±10%	Q303	2327753M	TR 2SA1390 (C/D)
L901	2276071	LINE FILTER 30MH (FOR 751, 041)	Q304	2327773M	TR 2SC3413 (C/D)
L901	2276072	LINE FILTER 15MHZ (NOT FOR 041, 751)	Q306	2327753M	TR 2SA1390 (C/D)
L902	2276072	LINE FILTER 15MH (FOR 751, 041)	Q401	2327773M	TR 2SC3413 (C/D)
L904	2161152	FILTER COIL	Q402	2327753M	TR 2SA1390 (C/D)
L906	2123461M	FERRITE BEADS CORE 0.8MH	Q403	2327773M	TR 2SC3413 (C/D)
L951	2123462M	FERRITE BEADS CORE 2.3MH	Q404	2327773M	TR 2SC3413 (C/D)
L952	2123462M	FERRITE BEADS CORE 2.3MH	Q501	2327773M	TR 2SC3413 (C/D)
L953	2125804N	FILTER COIL 33 MICRO H	Q502	2327773M	TR 2SC3413 (C/D)
L956	2125804N	FILTER COIL 33 MICRO H	Q507	2327753M	TR 2SA1390 (C/D)
L957	2123462M	FERRITE BEADS CORE 2.3MH	Q508	2327753M	TR 2SA1390 (C/D)
L958	2123462M	FERRITE BEADS CORE 2.3MH	Q509	2326873R	TR DTC144ES
L959	2123462M	FERRITE BEADS CORE 2.3MH	Q604	2321351M	TR 2SA836/844 D/E
L960	2123462M	FERRITE BEADS CORE 2.3MH	Q661	2315933	TR 2SB1548A-P/Q
L961	2771892	FERRITE BEADS CORE (004)	Q662	2323522M	TR 2SD789E
L962	2771892	FERRITE BEADS CORE (004)	Q663	2327753M	TR 2SA1390 (C/D)
L963	2771892	FERRITE BEADS CORE (004)	Q664	2327773M	TR 2SC3413 (C/D)
L964	2771892	FERRITE BEADS CORE (004)	Q665	2327773M	TR 2SC3413 (C/D)
L971	2125804N	FILTER COIL 33 MICRO H	Q666	2327773M	TR 2SC3413 (C/D)

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SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
△ Q708	2315451	TR BU2508AF	R031	0700068M	CF 1/16W 120K OHM ±5%
△ Q709	2326216	TR 2SC3116 S/T	R031	0100133M	CF 1/8W 680K OHM ±5% (FOR 081S ONLY)
Q740	2320663M	TR 2SC1213AC	R032	0700054M	CF 1/16W 10K OHM ±5%
Q741	2321112M	TR 2SA778AK-02	R036	0700054M	CF 1/16W 10K OHM ±5%
△ Q742	2323782R	THYRISTOR 03P2M	R037	0700062M	CF 1/16W 39K OHM ±5%
Q901	2312174	TR 2SD2375 (P)	R038	0700061M	CF 1/16W 33K OHM ±5%
Q930	2321351M	TR 2SA836/844 D/E	R040	0100041M	CF 1/8W 100 OHM ±5%
Q951	CF00114R	TR 2SC4490-AN(Q,R)	R041	0100041M	CF 1/8W 100 OHM ±5%
Q952	2315933	TR 2SB1548A-P/Q	R042	0700034M	CF 1/16W 330 OHM ±5%
Q953	CF00114R	TR 2SC4490-AN(Q,R)	R043	0700063M	CF 1/16W 47K OHM ±5%
Q954	2315931	TR 2SB1548A-P	R044	0100041M	CF 1/8W 100 OHM ±5%
Q955	2320665R	TR 2SC1213A (D R)	R045	0100041M	CF 1/8W 100 OHM ±5%
Q956	2320647M	TR 2SC1213 (C/D)	R046	0700048M	CF 1/16W 3.9K OHM ±5%
Q957	2320647M	TR 2SC1213 (C/D)	R047	0700048M	CF 1/16W 3.9K OHM ±5%
Q958	2315933	TR 2SB1548A-P/Q	R048	0700041M	CF 1/16W 1K OHM ±5%
Q959	2320637M	TR 2SA673 (C/D)	R050	0700045M	CF 1/16W 2.2K OHM ±5%
Q961	2327753M	TR 2SA1390 (C/D)	R051	0700035M	CF 1/16W 390 OHM ±5%
Q962	2312171	TR 2SC3852 (NOT FOR 051,751)	R052	0700035M	CF 1/16W 390 OHM ±5%
Q962	2312171	TR 2SC3852 (FOR 051,751)	R053	0700041M	CF 1/16W 1K OHM ±5%
QE01	2320144M	TR 2SC1906 (FOR 051, 081S, 751, PX-981)	R054	0700046M	CF 1/16W 2.7K OHM ±5% (FOR 081S,PX-981)
QE02	2327773M	TR 2SC3413 (C/D) (FOR051, 081S, PX-981)			
QE03	2327773M	TR 2SC3413 (C/D) (FOR051, 081S, PX-981)	R054	0700047M	CF 1/16W 3.3K OHM ±5% (NOT FOR 081S,PX-981)
QE04	2320596M	TR 2SC458 (C/D)			
QE05	2326872R	TR DTC114ES	R055	0700046M	CF 1/16W 2.7K OHM ±5% (FOR 081S,PX-981)
QE06	2327753M	TR 2SA1390 (C/D) (FOR 051, 081S, PX-981)			
R001	0700054M	CF 1/16W 10K OHM ±5%	R055	0700047M	CF 1/16W 3.3K OHM ±5% (NOT FOR 081S,PX-981)
R002	0700055M	CF 1/16W 12K OHM ±5%			
R003	0700051M	CF 1/16W 5.6K OHM ±5%	R056	0700046M	CF 1/16W 2.7K OHM ±5% (FOR 081S,PX-981)
R004	0700056M	CF 1/16W 15K OHM ±5%			
R005	0700041M	CF 1/16W 1K OHM ±5%	R056	0700047M	CF 1/16W 3.3K OHM ±5% (NOT FOR 081S,PX-981)
R006	0700054M	CF 1/16W 10K OHM ±5%			
R007	0700047M	CF 1/16W 3.3K OHM ±5%	R057	0700035M	CF 1/16W 390 OHM ±5%
R008	0700054M	CF 1/16W 10K OHM ±5%	R058	0700035M	CF 1/16W 390 OHM ±5%
R008A	0700041M	CF 1/16W 1K OHM ±5%	R059	0700035M	CF 1/16W 390 OHM ±5%
R009	0700054M	CF 1/16W 10K OHM ±5%	R062	0700041M	CF 1/16W 1K OHM ±5%
R010	0700054M	CF 1/16W 10K OHM ±5%	R066	0100041M	CF 1/8W 100 OHM ±5%
R011	0700067M	CF 1/16W 100K OHM ±5%	R067	0100041M	CF 1/8W 100 OHM ±5%
R012	0700048M	CF 1/16W 3.9K OHM ±5%	R070	0700043M	CF 1/16W 1.5K OHM ±5%
R013	0700058M	CF 1/16W 22K OHM ±5%	R071	0100129M	CF 1/8W 470K OHM ±5%
R014	0700063M	CF 1/16W 47K OHM ±5%	R072	0100125M	CF 1/8W 330K OHM ±5%
R015	0700054M	CF 1/16W 10K OHM ±5%	R073	0100117M	CF 1/8W 150K OHM ±5%
R016	0700027M	CF 1/16W 100 OHM ±5%	R074	0100121M	CF 1/8W 220K OHM ±5%
R017	0700027M	CF 1/16W 100 OHM ±5%	R076	0700041M	CF 1/16W 1K OHM ±5%
R018	0700058M	CF 1/16W 22K OHM ±5%	R080	0700056M	CF 1/16W 15K OHM ±5%
R018A	0700054M	CF 1/16W 10K OHM ±5%	R081	0700053M	CF 1/16W 8.2K OHM ±5%
R019	0700058M	CF 1/16W 22K OHM ±5%	R081	0700048M	CF 1/16W 3.9K OHM ±5% (FOR 081S, PX-981 ONLY)
R020	0700058M	CF 1/16W 22K OHM ±5%			
R021	0700049M	CF 1/16W 4.7K OHM ±5%	R082	0700052M	CF 1/16W 6.8K OHM ±5%
R022	0100117M	CF 1/8W 150K OHM ±5%	R083	0700054M	CF 1/16W 10K OHM ±5%
R023	0700067M	CF 1/16W 100K OHM ±5%	R084	0700047M	CF 1/16W 3.3K OHM ±5%
R024	0700063M	CF 1/16W 47K OHM ±5%	R085	0700043M	CF 1/16W 1.5K OHM ±5%
R025	0700067M	CF 1/16W 100K OHM ±5%	R086	0700041M	CF 1/16W 1K OHM ±5%
R026	0700064M	CF 1/16W 56K OHM ±5%	R087	0700058M	CF 1/16W 22K OHM ±5%
R027	0700027M	CF 1/16W 100 OHM ±5%	R088	0700058M	CF 1/16W 22K OHM ±5%
R030	0700051M	CF 1/16W 5.6K OHM ±5%	R089	0700041M	CF 1/16W 1K OHM ±5%

制品安全上的注意：在下表附带△标记的机件具备特别的安全特性。要替换这些机件以前请详细阅读这本检修手册中“制品安全上的注意”一书，以避免因检修不当而降低电视机的安全性。

SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
R090	0700041M	CF 1/16W 1K OHM ±5%	R321	0700034M	CF 1/16W 330 OHM ±5%
R091	0700054M	CF 1/16W 10K OHM ±5%			(NOT FOR 081S, PX-981)
R092	0700048M	CF 1/16W 3.9K OHM ±5%	R321	0700037M	CF 1/16W 560 OHM ±5%
R096	0700054M	CF 1/16W 10K OHM ±5%			(FOR 081S, PX-981)
R101	0100041M	CF 1/8W 100 OHM ±5%	R324	0100105M	CF 1/8W 47K OHM ±5%
R102	0100041M	CF 1/8W 100 OHM ±5%	R326	0100105M	CF 1/8W 47K OHM ±5%
R201	0700046M	CF 1/16W 2.7K OHM ±5%	R328	0100038M	CF 1/8W 75 OHM ±5%
R202	0700037M	CF 1/16W 560 OHM ±5%	R329	0700027M	CF 1/16W 100 OHM ±5%
R203	0100047M	CF 1/8W 180 OHM ±5%	R333	0700041M	CF 1/16W 1K OHM ±5%
R204	0700019M	CF 1/16W 27 OHM ±5%	R334	0700041M	CF 1/16W 1K OHM ±5%
R208	0700027M	CF 1/16W 100 OHM ±5%	R336	0100038M	CF 1/8W 75 OHM ±5%
R209	0700065M	CF 1/16W 68K OHM ±5%	R338	0100105M	CF 1/8W 47K OHM ±5%
R210	0700058M	CF 1/16W 22K OHM ±5%	R340	0100105M	CF 1/8W 47K OHM ±5%
R210A	0700049M	CF 1/16W 4.7K OHM ±5%	R341	0700027M	CF 1/16W 100 OHM ±5%
R211	0700058M	CF 1/16W 22K OHM ±5%	R342	0700027M	CF 1/16W 100 OHM ±5%
		(FOR 051, 081S, 751, PX-981)	R343	0700027M	CF 1/16W 100 OHM ±5%
R212	0700058M	CF 1/16W 22K OHM ±5%	R344	0700027M	CF 1/16W 100 OHM ±5%
		(FOR 051, 081S, 751, PX-981)	R345	0700027M	CF 1/16W 100 OHM ±5%
R213	0700035M	CF 1/16W 390 OHM ±5%	R346	0700027M	CF 1/16W 100 OHM ±5%
		(FOR 051, 081S, 751, PX-981)	R347	0700027M	CF 1/16W 100 OHM ±5%
R214	0700057M	CF 1/16W 18K OHM ±5%	R348	0700027M	CF 1/16W 100 OHM ±5%
R215	0700025M	CF 1/16W 68 OHM ±5%	R349	0700027M	CF 1/16W 100 OHM ±5%
R216	0700027M	CF 1/16W 100 OHM ±5%	R350	0100041M	CF 1/8W 100 OHM ±5%
		(FOR 051, 081S, 751, PX-981)	R351	0100041M	CF 1/8W 100 OHM ±5%
R222	0150265	VR 10K OHM-B	R352	0700055M	CF 1/16W 12K OHM ±5%
R232	0700063M	CF 1/16W 47K OHM ±5%	R355	0100038M	CF 1/8W 75 OHM ±5%
R233	0700067M	CF 1/16W 100K OHM ±5%	R356	0700054M	CF 1/16W 10K OHM ±5%
R234	0700045M	CF 1/16W 2.2K OHM ±5%	R357	0700041M	CF 1/16W 1K OHM ±5%
R240	0119687G	MF 4.7 OHM ±5% 1/4W	R380	0700043M	CF 1/16W 1.5K OHM ±5%
R250	0700032M	CF 1/16W 220 OHM ±5%	R381	0700027M	CF 1/16W 100 OHM ±5%
R260	0700041M	CF 1/16W 1K OHM ±5%	R382	0700027M	CF 1/16W 100 OHM ±5%
R264	0700045M	CF 1/16W 2.2K OHM ±5%	R383	0700027M	CF 1/16W 100 OHM ±5%
R265	0700052M	CF 1/16W 6.8K OHM ±5%	R384	0700032M	CF 1/16W 220 OHM ±5%
R270	0700051M	CF 1/16W 5.6K OHM ±5%	R385	0700027M	CF 1/16W 100 OHM ±5%
R271	0700054M	CF 1/16W 10K OHM ±5%	R386	0700063M	CF 1/16W 47K OHM ±5%
R272	0700044M	CF 1/16W 1.8K OHM ±5%	R387	0700059M	CF 1/16W 27K OHM ±5%
R302	0100038M	CF 1/8W 75 OHM ±5%	R388	0700031M	CF 1/16W 180 OHM ±5%
R303	0100041M	CF 1/8W 100 OHM ±5%	R389	0700031M	CF 1/16W 180 OHM ±5%
R304	0700067M	CF 1/16W 100K OHM ±5%	R390	0700037M	CF 1/16W 560 OHM ±5%
R305	0100041M	CF 1/8W 100 OHM ±5%	R390	0700039M	CF 1/16W 820 OHM 65%
R306	0700063M	CF 1/16W 47K OHM ±5%			(FOR 081S, PX-981 ONLY)
R307	0100041M	CF 1/8W 100 OHM ±5%	R391	0700031M	CF 1/16W 180 OHM ±5%
R308	0100037M	CF 1/8W 68 OHM ±5%	R392	0700041M	CF 1/16W 1K OHM ±5%
R309	0100045M	CF 1/8W 150 OHM ±5%	R393	0700035M	CF 1/16W 390 OHM ±5%
R310	0700027M	CF 1/16W 100 OHM ±5%	R394	0700035M	CF 1/16W 390 OHM ±5%
R311	0700054M	CF 1/16W 10K OHM ±5%	R395	0700064M	CF 1/16W 56K OHM ±5%
R312	0700067M	CF 1/16W 100K OHM ±5%	R401	0700035M	CF 1/16W 390 OHM ±5%
R313	0100041M	CF 1/8W 100 OHM ±5%	R404	0119505G	MF 2.2 OHM ±5% 1/4W
R314	0700063M	CF 1/16W 47K OHM ±5%	R405	0119505G	MF 2.2 OHM ±5% 1/4W
R315	0100041M	CF 1/8W 100 OHM ±5%	R410	0700039M	CF 1/16W 820 OHM ±5%
R316	0187038M	CF 1/16W 75 OHM ±5%	R411	0700039M	CF 1/16W 820 OHM ±5%
R317	0100041M	CF 1/8W 100 OHM ±5%	R421	0100041M	CF 1/8W 100 OHM ±5%
R318	0187038M	CF 1/16W 75 OHM ±5%	R422	0100041M	CF 1/8W 100 OHM ±5%
R319	0700041M	CF 1/16W 1K OHM ±5%	R423	0700051M	CF 1/16W 5.6K OHM ±5%
R320	0700067M	CF 1/16W 100K OHM ±5%	R426	0700051M	CF 1/16W 5.6K OHM ±5%

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SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
R427	0700041M	CF 1/16W 1K OHM ±5%	R581	0700051M	CF 1/16W 5.6K OHM ±5%
R428	0700034M	CF 1/16W 330 OHM ±5%	R590	0119508G	MF 56 OHM ±5% 1/4W
R429	0700041M	CF 1/16W 1K OHM ±5%	R602	0100133M	CF 1/8W 680K OHM ±5%
R430	0700041M	CF 1/16W 1K OHM ±5%	R610	0700061M	CF 1/16W 33K OHM ±5%
R431	0700064M	CF 1/16W 56K OHM ±5%	R611	0700048M	CF 1/16W 3.9K OHM ±5%
R432	0700048M	CF 1/16W 3.9K OHM ±5%	R612	0700051M	CF 1/16W 5.6K OHM ±5%
R434	0700048M	CF 1/16W 3.9K OHM ±5%	R613	0700067M	CF 1/16W 100K OHM ±5%
R437	0700034M	CF 1/16W 330 OHM ±5%	R614	0700054M	CF 1/16W 10K OHM ±5%
R438	0114141M	CF 1/4W 270 OHM ±5%	R615	0188123M	CF 1/2W 270 OHM ±5%
R440	0700041M	CF 1/16W 1K OHM ±5%	R616	0188132M	CF 1/2W 1.2K OHM ±5%
R441	0700041M	CF 1/16W 1K OHM ±5%	R617	0188129M	CF 1/2W 820 OHM ±5%
R443	0119514G	MF 10 OHM ±5% 1/4W	R618	0700056M	CF 1/16W 15K OHM ±5%
R451	0700034M	CF 1/16W 330 OHM ±5%	R619	0700049M	CF 1/16W 4.7K OHM ±5%
		(FOR 081S, PX-981)	R620	0150300	VR 500 OHM-B
R451	0700041M	CF 1/16W 1K OHM ±5%	R621	0119722M	MF 1.0 OHM ±5% 1W
		(NOT FOR 081S, PX-981)	R630	0700032M	CF 1/16W 220 OHM ±5%
R452	0700027M	CF 1/16W 100 OHM ±5%	R631	0700058M	CF 1/16W 22K OHM ±5%
R453	0700046M	CF 1/16W 2.7K OHM ±5%	R632	0119722M	MF 1.0 OHM ±5% 1W
		(FOR 081S, 751, PX-981)	R633	0700054M	CF 1/16W 10K OHM ±5%
R460	0700067M	CF 1/16W 100K OHM ±5%	R651	0188139M	CF 1/2W 4.7K OHM ±5%
R490	0100063M	CF 1/8W 820 OHM ±5%	R652	0188139M	CF 1/2W 4.7K OHM ±5%
R491	0100063M	CF 1/8W 820 OHM ±5%	R653	0700046M	CF 1/16W 2.7K OHM ±5%
R502	0700029M	CF 1/16W 150 OHM ±5%	R654	0700067M	CF 1/16W 100K OHM ±5%
R503	0700034M	CF 1/16W 330 OHM ±5%	R655	0700045M	CF 1/16W 2.2K OHM ±5%
R504	0700045M	CF 1/16W 2.2K OHM ±5%	R656	0150265	VR 10K OHM-B
R505	0700036M	CF 1/16W 470 OHM ±5%	R657	0150265	VR 10K OHM-B
R506	0700058M	CF 1/16W 22K OHM ±5%	R658	0700054M	CF 1/16W 10K OHM ±5%
R507	0700034M	CF 1/16W 330 OHM ±5%	R659	0700054M	CF 1/16W 10K OHM ±5%
R508	0700065M	CF 1/16W 68K OHM ±5%	R660	0700063M	CF 1/16W 47K OHM ±5%
R509	0700067M	CF 1/16W 100K OHM ±5%	R661	0700049M	CF 1/16W 4.7K OHM ±5%
R511	0700024M	CF 1/16W 56 OHM ±5%	R662	0700059M	CF 1/16W 27K OHM ±5%
R513	0700024M	CF 1/16W 56 OHM ±5%	R663	0179561M	MG 1/8W 2.2M OHM ±5%
R515	0700024M	CF 1/16W 56 OHM ±5%	R664	0700054M	CF 1/16W 10K OHM ±5%
R516A	0700044M	CF 1/16W 1.8K OHM ±5%	R665	0700054M	CF 1/16W 10K OHM ±5%
		(FOR 041, 051 ONLY)	R666	0700041M	CF 1/16W 1K OHM ±5%
R516B	0700057M	CF 1/16W 18K OHM ±5%	R668	0700067M	CF 1/16W 100K OHM ±5%
		(FOR 041, 051 ONLY)	R669	0700053M	CF 1/16W 8.2K OHM ±5%
R519	0100057M	CF 1/8W 470 OHM ±5%	R670	0700061M	CF 1/16W 33K OHM ±5%
R520	0700044M	CF 1/16W 1.8K OHM ±5%	R671	0100119M	CF 1/8W 180K OHM ±5%
R529	0700027M	CF 1/16W 100 OHM ±5%	R672	0700059M	CF 1/16W 27K OHM ±5%
R534	0700032M	CF 1/16W 220 OHM ±5%	R673	0700063M	CF 1/16W 47K OHM ±5%
R535	0700032M	CF 1/16W 220 OHM ±5%	R676	0700041M	CF 1/16W 1K OHM ±5%
R536	0700051M	CF 1/16W 5.6K OHM ±5%	R677	0700041M	CF 1/16W 1K OHM ±5%
R537	0700032M	CF 1/16W 220 OHM ±5%	R701	0700056M	CF 1/16W 15K OHM ±5%
R538	0700064M	CF 1/16W 56K OHM ±5%	R702	0150265	VR 10K OHM-B
R539	0700032M	CF 1/16W 220 OHM ±5%	R703	0700051M	CF 1/16W 5.6K OHM ±5%
R543	0700037M	CF 1/16W 560 OHM ±5%	R704	0700034M	CF 1/16W 330 OHM ±5%
R544	0700036M	CF 1/16W 470 OHM ±5%	R706	0700059M	CF 1/16W 27K OHM ±5%
R550	0700061M	CF 1/16W 33K OHM ±5%	R707	0700041M	CF 1/16W 1K OHM ±5%
R551	0700035M	CF 1/16W 390 OHM ±5%	R708	0700063M	CF 1/16W 47K OHM ±5%
R552	0700027M	CF 1/16W 100 OHM ±5%	R710	0100133M	CF 1/8W 680K OHM ±5%
R553	0700027M	CF 1/16W 100 OHM ±5%	R710	0100109M	CF 1/8W 68K OHM ±5% (FOR 081S ONLY)
R570	0700027M	CF 1/16W 100 OHM ±5%	R711	0100123M	CF 1/8W 270K OHM ±5%
R571	0114141M	CF 1/4W 270 OHM ±5%	R733	0113722M	CF 1/2W 75 OHM ±5%
R580	0700057M	CF 1/16W 18K OHM ±5%	△ R732	0145051S	WW 2.7K OHM ±5% 7W

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SYMBOL NO.	PART NO.	DESCRIPTION
R734	0700014M	CF 1/16W 10 OHM ±5%
R735	0119688M	MF 0.22 OHM ±5% 1W
R736	0700026M	CF 1/16W 82 OHM ±5%
R737	0114145M	CF 1/4W 390 OHM ±5%
R738	0188142M	CF 1/2W 6.8K OHM ±5%
R739	0700031M	CF 1/16W 180 OHM ±5%
R741	0188153M	CF 1/2W 47K OHM ±5%
R742	0188151M	CF 1/2W 33K OHM ±5%
R746	0700044M	CF 1/16W 1.8K OHM ±5%
△ R748	AZ00026M	FR 2.5A CRXT49202.5
△ R749	0114213M	CF 1/4W 33K OHM ±5%
△ R750	0700058M	CF 1/16W 22K OHM ±5%
R760	0700041M	CF 1/16W 1K OHM ±5%
R768	0188121M	CF 1/2W 180 OHM ±5%
△ R772	0110243S	MF 820 OHM ±5% 2W
R780	0110159S	MF 3.9K OHM ±5% 1W
R781	0110285S	MF 47K OHM ±5% 2W
R782	0100065M	CF 1/8W 1K OHM ±5%
⚠ R783	AZ00026M	FR 2.5A CRXT49202.5
R784	0147825	WW 5.6 OHM ±10% 15W
R785	0700043M	CF 1/16W 1.5K OHM ±5%
R786	0100105M	CF 1/8W 47K OHM ±5%
R787	0700067M	CF 1/16W 100K OHM ±5%
R788	0700045M	CF 1/16W 2.2K OHM ±5%
R789	0100089M	CF 1/8W 10K OHM ±5%
R790	0114281M	CF 1/4W 100K OHM ±5%
R791	0700054M	CF 1/16W 10K OHM ±5%
R792	0100061M	CF 1/8W 680 OHM ±5%
△ R793	0700039M	CF 1/16W 820 OHM ±5%
R794	0100101M	CF 1/8W 33K OHM ±5%
△ R795	0700051M	CF 1/16W 5.6K OHM ±5%
R796	0700072M	CF 1/16W 220K OHM ±5%
R833	0100129M	CF 1/8W 470K OHM ±5%
R841	0114289M	CF 220K OHM ±5% 1/4W
R842	0700043M	CF 1/16W 1.5K OHM ±5%
R843	0113799M	CF 1/2W 100K OHM ±5%
△ R844	0119508S	MF 56 OHM ±5% 1/4W
R851	0114151M	CF 1/4W 680 OHM ±5%
R852	0700046M	CF 1/16W 2.7K OHM ±5%
R853	0114281M	CF 1/4W 100K OHM ±5%
R854	0114281M	CF 1/4W 100K OHM ±5%
R855	0700046M	CF 1/16W 2.7K OHM ±5%
R85E	0700046M	CF 1/16W 2.7K OHM ±5%
R857	0700039M	CF 1/16W 820 OHM ±5%
R858	0700039M	CF 1/16W 820 OHM ±5%
R859	0700039M	CF 1/16W 820 OHM ±5%
R860	0150111	VR 1K OHM-B
R861	0150111	VR 1K OHM-B
R862	0150109	VR 200 OHM-B
R863	0150109	VR 200 OHM-B
R864	0150109	VR 200 OHM-B
R870	0113744M	CF 1/2W 560 OHM ±5%
R871	0113744M	CF 1/2W 560 OHM ±5%
R872	0113744M	CF 1/2W 560 OHM ±5%
R901	0179538M	MG 1/8W 4.7M OHM ±5%
R902	0147610	WW 1.0 OHM ±5% 7W
R903	0188153M	CF 1/2W 47K OHM ±5%
R904	0110161S	MF 4.7K OHM ±5% 1W
R905	0100077M	CF 1/8W 3.3K OHM ±5%
R906	0110199S	MF 12 OHM ±5% 2W
R907	0148044	WW 0.15 OHM ±10% 3W
R908	0700041M	CF 1/16W 1K OHM ±5%
R909	0147610	WW 1.0 OHM ±5% 7W
R910	0119731M	MF 0.68 OHM ±5% 1W
R911	0700027M	CF 1/16W 100 OHM ±5%
R913	0114047M	CF 1/4W 18 OHM ±5%
R914	0100123M	CF 1/8W 270K OHM ±5%
R916	0100065M	CF 1/8W 1K OHM ±5%
R917	0188153M	CF 1/2W 47K OHM ±5%
R918	0114061M	CF 1/4W 68 OHM ±5%
R919	0100077M	CF 1/8W 3.3K OHM ±5%
R920	0110217S	MF 68 OHM ±5% 2W
R921	0119722M	MF 1.0 OHM ±5% 1W
△ R922	CJ00041	PTC THERMISTOR
R930	0150152	VR 1K OHM-B
R931	0110337S	MF 470 OHM ±5% 3W
R932	0700036M	CF 1/16W 470 OHM ±5%
R933	0700041M	CF 1/16W 1K OHM ±5%
R934	0700037M	CF 1/16W 560 OHM ±5%
R935	0148024	WW 1.0 OHM ±5% 2W
R936	0100049M	CF 1/8W 220 OHM ±5%
R937	0110201S	MF 15 OHM ±5% 2W
R951	0110103S	MF 18 OHM ±5% 1W
R952	0114213M	CF 1/4W 33K OHM ±5%
R953	0700049M	CF 1/16W 4.7K OHM ±5%
R954	0188155M	CF 1/2W 68K OHM ±5%
R955	0188155M	CF 1/2W 68K OHM ±5%
R956	0700048M	CF 1/16W 3.9K OHM ±5%
R957	0110137S	MF 470 OHM ±5% 1W
R958	0700054M	CF 1/16W 10K OHM ±5%
R959	0700052M	CF 1/16W 6.8K OHM ±5%
R960	0700054M	CF 1/16W 10K OHM ±5%
R961	0700052M	CF 1/16W 6.8K OHM ±5%
R962	0700054M	CF 1/16W 10K OHM ±5%
R966	0700064M	CF 1/16W 56K OHM ±5%
R969	0100077M	CF 1/8W 3.3K OHM ±5%
R971	0700049M	CF 1/16W 4.7K OHM ±5%
R972	0188148M	CF 1/2W 22K OHM ±5%
R973	0700054M	CF 1/16W 10K OHM ±5%
R977	0700047M	CF 1/16W 3.3K OHM ±5%
R980	0700047M	CF 1/16W 3.3K OHM ±5%
R981	0700051M	CF 1/16W 5.6K OHM ±5%
R982	0700027M	CF 1/16W 100 OHM ±5%
△ R998	0174704G	MF 10M OHM ±5% 1W
RE01	0114131M	CF 1/4W 100 OHM ±5% (FOR 051, 081S, 751, PX-981)
RE02	0700038M	CF 1/16W 680 OHM ±5% (FOR 051, 081S, 751, PX-981)
RE03	0700047M	CF 1/16W 3.3K OHM ±5% (FOR 051, 081S, 751, PX-981)

PRODUCT SAFETY NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

SYMBOL NO.	PART NO.	DESCRIPTION
RE04	0700014M	CF 1/16W 10 OHM ±5% (FOR 051, 081S, 751, PX-981)
RE05	0700037M	CF 1/16W 560 OHM ±5% (FOR 051, 081S,751, PX-981)
RE06	0700018M	CF 1/16W 22 OHM ±5% (FOR 051, 081S, 751, PX-981)
RE07	0700044M	CF 1/16W 1.8K OHM ±5% (FOR 081S, 751, PX-981)
RE08	0700031M	CF 1/16W 180 OHM ±5% (FOR 081S, 751, PX-981)
RE09	0700041M	CF 1/16W 1K OHM ±5% (FOR 051, 081S, 751, PX-981)
RE10	0700023M	CF 1/16W 47 OHM ±5% (FOR 051, 081S, 751, PX-981)
RE11	0700047M	CF 1/16W 3.3K OHM ±5% (FOR 081S, 751, PX-981)
RE12	0700045M	CF 1/16W 2.2K OHM ±5% (FOR 081S, 751, PX-981)
RE13	0700038M	CF 1/16W 680 OHM ±5% (FOR 081S, 751, PX-981)
RE14	0700045M	CF 1/16W 2.2K OHM ±5% (FOR 051, 081S, 751, PX-981)
RE15	0700059M	CF 1/16W 27K OHM ±5% (FOR 051,081S,751,PX-981)
RE16	0700027M	CF 1/16W 100 OHM ±5% (FOR 081S, 751, PX-981)
RE17	0700061M	CF 1/16W 33K OHM ±5% (FOR 081S, 751, PX-981)
RE18	0700041M	CF 1/16W 1K OHM ±5% (FOR 081S, 751, PX-981)
RE20	0700049M	CF 1/16W 4.7K OHM ±5% (FOR 051, 081S, PX-981)
RE21	0700065M	CF 1/16W 68K OHM ±5% (FOR 051, 081S, PX-981)
RE22	0700039M	CF 1/16W 820 OHM ±5% (FOR 051, 081S, PX-981)
RE23	0700054M	CF 1/16W 10K OHM ±5% (FOR 051, 081S, PX-981)
RE24	0700049M	CF 1/16W 4.7K OHM ±5% (FOR 051, 081S, PX-981)
RE25	0700065M	CF 1/16W 68K OHM ±5% (FOR 051, 081S, PX-981)
RE26	0700039M	CF 1/16W 820 OHM ±5% (FOR 051, 081S, PX-981)
RE27	0700054M	CF 1/16W 10K OHM ±5% (FOR 051, 081S, PX-981)
RE28	0100041M	CF 1/8W 100 OHM ±5% (FOR 051, 081S, PX-981)
RE29	0100041M	CF 1/8W 100 OHM ±5%
RE30	0700041M	CF 1/16W 1K OHM ±5%
RE31	0700064M	CF 1/16W 56K OHM ±5%
RE32	0700027M	CF 1/16W 100 OHM ±5%
RE33	0700033M	CF 1/16W 270 OHM ±5%
RE35	0700033M	CF 1/16W 270 OHM ±5%
RE36	0700057M	CF 1/16W 18K OHM ±5%
RE40	0700027M	CF 1/16W 100 OHM ±5% (FOR 081S, 751, PX-981)
RE50	0700037M	CF 1/16W 560 OHM ±5% (FOR 051, 081S, PX-981)
RE51	0700037M	CF 1/16W 560 OHM ±5% (FOR 051, 081S, PX-981)
RE52	0700049M	CF 1/16W 4.7K OHM ±5% (FOR 051, 081S, PX-981)
RE53	0700027M	CF 1/16W 100 OHM ±5% (FOR 051, 081S, PX-981)
RE54	0700027M	CF 1/16W 100 OHM ±5% (FOR 051, 081S, PX-981)
RE55	0140964M	MF 1M OHM (FOR 051, 081S, PX-981)
RE56	0700058M	CF 1/16W 22K OHM ±5% (FOR 051, 081S, PX-981)
RE57	0700054M	CF 1/16W 10K OHM ±5% (FOR 051,081S,751,PX-981)
RE58	0700027M	CF 1/16W 100 OHM ±5% (FOR 051, 081S, PX-981)
RE61	0700027M	CF 1/16W 100 OHM ±5% (FOR 051, 081S, PX-981)
RE62	0700041M	CF 1/16W 1K OHM ±5% (FOR 051, 081S, PX-981)
RE63	0700061M	CF 1/16W 33K OHM ±5% (FOR 051, 081S, PX-981)
RE64	0700044M	CF 1/16W 1.8K OHM ±5% (FOR 051, 081S, PX-981)
RE65	0140964M	MF 1M OHM (FOR 051, 081S, 751, PX-981)
RE66	0700054M	CF 1/16W 10K OHM ±5% (FOR 051, 081S, PX-981)
RE67	0140964M	MF 1M OHM (FOR 051, 081S, PX-981)
RE68	0700054M	CF 1/16W 10K OHM ±5% (FOR 051, 081S, PX-981)
RE70	0700054M	CF 1/16W 10K OHM ±5% (FOR 051, 081S, 751, PX-981)
RK320	0100065M	CF 1/8W 1K OHM ±5%
S001	2633321	5KEY TACT SWITCH
△ S901	FG00031	MAINS SWITCH
△ T701	BS00011	H. DRIVE TRANS
△ T702	2436628	FBT (HCPM)
△ T901	2275922	SWITCHING TRANSFORMER
TH61	2340371	THERMISTOR 112301-9
△ U001	HJ00131	TUNER UNIT BTP-AH452
W311	2904434	5P CONNECTOR (FOR PX-981)
W311	2904519A	8P CONNECTOR (NOT FOR PX-981)
W401	2904434	5P CONNECTOR (NOT FOR PX-981)
W401	2904519	8P CONNECTOR (FOR PX-981)
△ X001	CP00701	R/C RECEIVER XM-600CBR
X002	2168371	X'TAL 6MHZ
X005	2791754R	DSS306-55B101M
X006	2791754R	DSS306-55B101M
△ X201	BG00701	SAW FILTER K6259K
X202	BN00081	CER. FILTER
X401	2167311	CERAMIC FILTER 4.5MHZ
X402	2167211A	CERAMIC FILTER 5.5MHZ

制品安全上的注意：在下表附带⚠标记的机件具备特别的安全特性。要替换这些机件以前请详细阅读这本检修手册中“制品安全上的注意”一书，以避免因检修不当而降低电视机的安全性。

SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
X403	2167212A	CERAMIC FILTER 6.0MHZ			
X404	2167213A	CERAMIC FILTER 6.5MHZ			
X501	2167371	CER TRAP COIL 5.5/5.74MHZ			
X502	2143472	COMPOSITE TRAPE 6.0/6.5MHZ			
X503	2142241A	CERAMIC TRAP 4.5MHZ			
△ X504	2170043	CRYSTAL (HCPS)			
△ X505	2791505	CRYSTAL			
XE01	2306112	SAW FILTER K9253M (FOR 051, 081S, 751, PX-981)			
XE02	2142783	CERAMIC FILTER SFT 5.74MHZ A9 (FOR 081S, 751, PX-981)			
XE03	2168941	CRYSTAL HC-49/U10.000MHZ (FOR 751)			
XE03	2168941	CRYSTAL HC-49/U 10.000MHZ (FOR 081S, PX-981)			
XE04	BN00071	CER. FILTER 5.74MHZ (FOR 081S, 751, PX-981)			
XE05	2791754R	DSS306-55B101M (FOR 051, 081S, PX-981)			
XE06	2791754R	DSS306-55B101M (FOR 051, 081S, PX-981)			
XE07	BP00281	CRYSTAL (FOR 051, 081S, PX-981)			
XE08	2791754R	DSS306-55B101M (FOR 051, 081S, PX-981)			
XE09	2791754R	DSS306-55B101M (FOR 051, 081S, PX-981)			
XE10	2791754R	DSS306-55B101M (FOR 051, 081S, PX-981)			
Z201A	9451104	0.8X1.8 YELLOW VARNISH TUBE			
Z292A	9451104	0.8X1.8 YELLOW VARNISH TUBE			
Z709	9451123	1X2 YELLOW VARNISH TUBE			
Z939	9449598	NITTO TAPE NO.188 W19			
Z951	9413926	SILICONE RUBBER KE40 RTV			
Z956A	9451120	UL CLEAR TUBE NO. 5			

PRODUCT SAFETY NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
△ U401	GM00076	SPEAKER BOX			
△ U402	GM00076	SPEAKER BOX			
△ U401	GM00321	SPEAKER BOX (751 ONLY)			
△ U402	GM00321	SPEAKER BOX (751 ONLY)			
W402	EF03961J	2P CONNECTOR W/WIRES			
W403	EF01741S	3P CONNECTOR W/WIRES			
W402	1EF2011	2P CONNECTOR W/WIRES (FOR 751 ONLY)			
W403	1EF2012	3P CONNECTOR W/WIRES (FOR 751 ONLY)			
	QD02251	FRAME ASSY (FOR 041, 981, 191, 192, 192S ONLY)			
	QD02252	FRAME ASSY (FOR 051 ONLY)			
	QD02253	FRAME ASSY (FOR 081S, PX-981 ONLY)			
	QD02256	FRAME ASSY (FOR 751 ONLY)			
	QD02481	BACK COVER ASSY			
	QD02483	BACK COVER ASSY (FOR 751 ONLY)			
U1001	HL00141	REMOTE CONTROL UNIT CLE-905 (FOR 081S & PX-981 ONLY)			
U1001	HL00133	REMOTE CONTROL UNIT CLE-904 (FOR OTHERS)			
△ U701	2444255	DY (NOT FOR 751)			
EB	2776242	CF MAGNET			
WDY	2975243	CONNECTOR W/WIRES OF DY (FOR 751 ONLY)			
△ L905	2276061	DEGAUSSING COIL 29"			
△ V1	2471562	CRT A68KSA30X (D) (NOT FOR 751)			
△ V1	DE01104	CRT A68AGA25X501 (WITH DY FOR 751 ONLY)			
E903	2786225	CRT EARTH WIRE			
N701	3790191	DEGAUSSING COIL HOLER (4 UQ)			

NOTE: THE FOLLOWING PART LISTS ARE FOR T/TEXT P.W.B OF MODELS 081S & PX-981 ONLY. (下列部品表只适用于081S与PX-981机种之图文电视基板)

SYMBOL NO.	PART NO.	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
A412	2984392	T/TEXT SUB ASSY	R361	0700021M	CF 33 OHM ±5% 1/16W
B351	2808822	T/TEXT PWB	R362	0700021M	CF 33 OHM ±5% 1/16W
C351	0880044R	PF 0.01 MF ±10% 50V	R364	0700067M	CF 100K OHM ±5% 1/16W
C352	0890026M	CD 220PF ±10% 50V	R365	0700041M	CF 1K OHM ±5% 1/16W
C353	0890005M	CD 4.7PF ±5% 50V	R3650	0700043M	CF 1.5K OHM ±5% 1/16W
C354	0890005M	CD 4.7PF ±5% 50V	R366	0700027M	CF 100 OHM ±5% 1/16W
C355	0890026M	CD 220PF ±10% 50V	R3660	0700063M	CF 47K OHM ±5% 1/16W
C356	0890035M	CD 1000PF ±10% 50V	R367	0100065FN	CF 1K OHM ±5% 1/8W
C357	0880057R	PF 0.1 MF ±10% 50V	R3670	0700058M	CF 22K OHM ±5% 1/16W
C359	0800047R	EL 100UF MF 6.3V	R3680	0700034M	CF 330 OHM ±5% 1/16W
C360	0890013M	CD 22PF ±5% 50V	R3690	0700034M	CF 330 OHM ±5% 1/16W
C361	0880057R	PF 0.1 MF ±10% 50V	R3700	0700034M	CF 330 OHM ±5% 1/16W
C362	0890035M	CD 1000PF ±10% 50V	R3703	0700041M	CF 1K OHM ±5% 1/16W
C363	0880057R	PF 0.1 MF ±10% 50V	R371	0700038M	CF 680 OHM ±5% 1/16W
C364	0800047R	EL 100UF MF 6.3V	R3710	0150305	VR 10K OHM-B
C365	0880057R	PF 0.1 MF ±10% 50V	R372	0700038M	CF 680 OHM ±5% 1/16W
C366	0890035M	CD 1000PF ±10% 50V	R3720	0700029M	CF 150 OHM ±5% 1/16W
C367	0800109R	EL 1UF MF 50V	R373	0700038M	CF 680 OHM ±5% 1/16W
C368	0800023R	EL 22 MF 16V	R3730	0700029M	CF 150 OHM ±5% 1/16W
C3690	0800015R	EL 10 MF 16V	R3740	0700027M	CF 100 OHM ±5% 1/16W
C3691	0800326R	EL 100UF MF 16V	R3750	0700041M	CF 1K OHM ±5% 1/16W
C3700	0890075R	CD 120 PF ±5% 50V	R3760	0700059M	CF 27K OHM ±5% 1/16W
C371	0890066R	CD 27 PF ±5% 50V	R3770	0700065M	CF 68K OHM ±5% 1/16W
C3710	0890082R	CD 390 PF ±10% 50V	R3780	0114147M	CF 470 OHM ±5% 1/4W
C3720	0800023R	EL 22 MF 16V	R3781	0110197S	MF 100 OHM ±5% 2W
C3730	0800326R	EL 100UF MF 16V	R3790	0100041M	CF 100 OHM ±5% 1/8W
C3740	0880057R	PF 0.1 MF ±10% 50V	R3791	0700054M	CF 10K OHM ±5% 1/16W
CK126	0800047R	EL 100UF MF 6.3V	R3800	0700045M	CF 2.2K OHM ±5% 1/16W
CR366	0890068R	EL 39 MF 50V	R3810	0700045M	CF 2.2K OHM ±5% 1/16W
D351	2338321M	DI ISS270	R3820	0700045M	CF 2.2K OHM ±5% 1/16W
DK112	2344041M	DI ISS254/ISS270	RC3720	0100041M	CF 100 OHM ±5% 1/8W
EIT1	2973916A	10J CONN (L = 390)	RK152	0700023M	CF 47 OHM ±5% 1/16W
FB351	2774631R	FERRITE BEAD CORE WITH LEAD	X351	2940251	X'-TAL 13.875MHZ
IC351	2004441	IC CF72306	ZD3710	2339022M	ZD HZS682L
IC352	2020521	IC CF70200NW	ZD3711	2331849M	ZD HZ12C3
IC353	2003522R	IC PST5720-7			
L3711	2123781R	PEAKING COIL 100UH			
LK126	2123781R	PEAKING COIL 100UH			
P1T1	2902269	10P MINI PLUG PIN WITH BASE			
Q351	2327773M	TR 2SC3413C/D			
Q3510	2327773M	TR 2SC3413C/D			
Q3511	2327773M	TR 2SC3413C/D			
Q3520	2320635	TR 2SA673D			
Q3530	2320635	TR 2SA673D			
Q3540	2324611	TR 2SD882 O/P			
R351	0700054M	CF 10K OHM ±5% 1/16W			
R352	0700041M	CF 1K OHM ±5% 1/16W			
R353	0700051M	CF 5.6K OHM ±5% 1/16W			
R354	0700027M	CF 100 OHM ±5% 1/16W			
R355	0700027M	CF 100 OHM ±5% 1/16W			
R356	0700037M	CF 560 OHM ±5% 1/16W			
R357	0700037M	CF 560 OHM ±5% 1/16W			
R358	0700037M	CF 560 OHM ±5% 1/16W			
R359	0700031M	CF 180 OHM ±5% 1/16W			
R360	0700021M	CF 33 OHM ±5% 1/16W			

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[191, 192, 192S, 041, 051, 981, 081S, 751, PX-981]

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